DIRECTORY OF MODULES OFFERED IN ENGLISH LANGUAGE

COURSES OFFERED IN ENGLISH AT THE UNIVERSITY OF GÖTTINGEN
ACADEMIC YEAR 2017/2018

FACULTY OF ECONOMIC SCIENCES

GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

A very warm welcome!

The University of Göttingen features an outstanding study environment for both exchange and full-degree students. All courses of study benefit from an excellent research-oriented environment formed by a broad network including five Max Planck Institutes, the German Primate Centre, the German Aerospace Centre and the Academy of Science and Humanities: the Göttingen Campus. An increasing number of lectures and courses are taught in the English language attracting more and more international students. This catalogue provides an impression of what is available.

This catalogue of courses taught in English varies from faculty to faculty and the courses available to you depend on whether you are an exchange student coming to Göttingen for a semester or an academic year, or whether you are a full degree student coming to Göttingen to complete an entire degree programme. You may take most courses in the programme you are enrolled in, however in a few cases restrictions may apply. Selecting courses from other subjects or other departments might require negotiations. If you have any questions, please contact the study advisor in charge of your subject.

Prior to their arrival in Göttingen exchange students have to set up a learning agreement. In some cases restrictions will apply, e.g. signing up for certain laboratory courses may not be possible. Generally exchange students are required to take at least half of the lectures and courses within their chosen subject.

Full degree students must first apply for a study place. Links to websites with application guidelines and deadlines are provided by some subjects/faculties. If not stated otherwise please visit:

http://www.uni-goettingen.de/en/3811.html

In any case, you are very welcome to browse through this catalogue to find/check out courses that suit your interests! For the complete course catalogue of the University of Göttingen see:

https://univz.uni-goettingen.de/qisserver/

We look forward to welcoming you in Göttingen!

Index by areas of study

I. Faculty of Economic Sciences

The Faculty of Economic Sciences offers an excellent international study environment for students coming from outside of Germany including both those who plan to complete their entire degree in Göttingen, as well as those who plan to visit for a semester abroad.

Our faculty offers many English-language courses (*http://www.uni-goettingen.de/en/winter-semester-20142015/474472.html*) for short-term visitors and exchange students for both undergraduate and graduate students.

Every semester we offer at least 30 ECTS credits worth of courses in business administration and economics for BA students (11 courses offered in the 2014/15 winter semester). There are also many courses in English for MA students in both business administration and economics. In the 2014/15 winter semester, the faculty offered 29 courses for economic students and 14 courses business administration students.

For students interested in completing their entire degree in Göttingen, the faculty offers an entirely English-language MA degree indevelopment economics (*http://www.uni-goettingen.de/de/203661.html*). Our programme is the only university-level master's programme in development economics in Germany, and is based on research groups from various areas including agricultural economics and rural development, and economics. The programme duration is four semesters, and can even be coupled with a double degree programme with Stellenbosch University in South Africa.

In addition to the course offerings, our faculty offers a vibrant and internationally-oriented research community with research projects abroad, including visiting faculty and doctoral researchers from across the globe.

For further information about the Faculty, please visit:

http://www.uni-goettingen.de/en/international-students--researchers/427247.html

We look forward to your visit.

1. Bachelor modules

2. Master modules

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Georg-August-Universität Göttingen **Module B.WIWI-BWL.0052: Logistic Management**	6 C 4 WLH

Learning outcome, core skills: The students - are able to define the term "logistics" and to differentiate the functions and subareas of logistics. - are able to classify the term "supply chain management" and derive the associated goals. - know the objectives and constraints of layout planning. - are able to classify transport and vehicle routing within the logistical context. - are able to use basic algorithms on simple problems of layout and transport planning as well as vehicle routing. - know the basic structures of queuing systems. - are able to use simple calculations for queuing systems. - are able to differentiate between the terms "storage requirement, functions, sorts and techniques". - are able to define the procedure of order-picking, know the different requirements and are able to define criteria for order-picking quality. - are able to use methods for a model-based decisions support in the field of operations research.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Logistikmanagement** (Lecture) *Contents*: In this lecture the fundamentals of logistics and logistics management are taught as an important part of corporate management. The focus is on the model-based decision-support in logistics. In particular, the areas of intra-company location planning, planning of transport and vehicle routing, queuing theory and storage techniques as well as the planning of the material flow are considered. **2. Logistikmanagement** (Exercise)	2 WLH 2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: In the module exam the students prove knowledge in following areas: - Fundamentals of logistics management - Intra-company location planning - Planning of transport and vehicle routing - Queuing theory - Storage and order-picking - Application of basic algorithms on problems of above topics	

Admission requirements: none	**Recommended previous knowledge:** Modul "Produktion und Logistik", Modul "Mathematik"

Language:	**Person responsible for module:**
English	Prof. Dr. Jutta Geldermann
Course frequency:	**Duration:**
each winter semester	1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**
twice	4 - 6
Maximum number of students:	
not limited	

Georg-August-Universität Göttingen **Module B.WIWI-BWL.0078: Global Virtual Project Management**	6 C 2 WLH

Learning outcome, core skills: Students will be able to understand the concepts of project planning and organization, conflict resolution and task management in a global virtual project environment. They will learn concepts related to organizational workflow including the staffing process, project planning elements and project communications. The course will also help students to improve their written and oral communication skills through formal writing assignments and group discussions.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Project work *Contents*: The aim of this course is to provide students with insight into global project management, managing cross-cultural teams, concepts of project planning as well as concepts related to organizational workflow. Special emphasis will be put on a so-called X-Culture project which provides students with an opportunity to experience global virtual project work with students across the globe. Working in cross-cultural teams for several weeks, students develop a business proposal. The task and the format of teamwork, as well as the collaboration tools used by the teams, are reminiscent of those used in the modern workplace, making the project a very realistic preview of work in corporate global virtual teams.	2 WLH

Examination: Presentation (approx. 20 minutes) with written report (max. 20 pages) **Examination requirements:** Experience of and ability to work on a global virtual project. Students need to give a presentation and submit a written report.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Fabian Froese
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module B.WIWI-BWL.0081: Selected Issues in Corporate Governance**	6 C 3 WLH

Learning outcome, core skills: The students shall understand typical issues associated with Corporate Governance mechanisms. The goal is for students to take theoretical concepts as the basis for analyses of real life Corporate Governance problems. An in-depth understanding of the theory as well as their application in problem-solving is the aspired qualification.	**Workload:** Attendance time: 42 h Self-study time: 138 h

Course: Selected Issues in Corporate Governance *Contents*: The seminar addresses typical issues associated with Corporate Governance mechanisms and their respective interactions. Typical topics covered include incentive systems and compensation contracts of top management teams, the co-existence and cooperation of supervisory board and management in two-tier-systems or monitoring incentives and abilities of owners. These issues are analyzed in depth and their interdependencies as well as importance for the corporate world are discussed.	3 WLH

Examination: Presentation (approx. 30 min.) with written elaboration (max. 15 pages per person) in groups of 2-3	6 C

Examination requirements: Proof of knowledge of the theoretic basics in Corporate Governance as well as their application to problems observable in the real world and solving of these problems; critical discussion of the adequacy of the concepts in certain situations.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Dr. Jana Oehmichen
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module B.WIWI-BWL.0082: Seminar Corporate Valuation**	6 C 2 WLH

Learning outcome, core skills: In this course, students deal with basic theoretical and practical problems in corporate valuation based on capital market models. After an introduction into the topic, students work for themselves on theoretical or practical problems in the field of corporate valuation. They are expected to prove their knowledge by writing a thesis as well as presenting and critically discussing their results.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Seminar in Corporate Valuation (Seminar)	2 WLH

Examination: Presentation (approx. 50 minutes per group) with written elaboration (max. 12 pages) **Examination prerequisites:** regular participation	6 C

Examination requirements: Students are expected to prove their knowledge of scientific methods by writing a thesis as well as presenting their results in groups.	

Admission requirements: none	**Recommended previous knowledge:** Basic knowledge in Finance as well as Cost and Management Accounting and Financial Statements.
Language: English	**Person responsible for module:** Prof. Dr. Stefan Dierkes Dr. Ulrich Schäfer
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 4 - 5
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module B.WIWI-BWL.0084: Company Taxation in the European Union**	6 C 2 WLH

Learning outcome, core skills: Having attended this lecture the students • know the basic terms and concepts of domestic taxation in Germany and other EU member states, • know the basic terms and concepts of international taxation, especially the alternative forms of foreign business activity and methods to prevent double taxation, • know basics of European legal forms, • know significant ECJ decisions, • know possibilities for further tax harmonization in the European Union, • are able to identify main difficulties of group taxation in the European Union, • are able to sum up the main aspects of corporate taxation in different member states, • are able to differentiate the international taxation of different foreign business activities.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Company Taxation in the European Union (Lecture) *Contents*: The lecture gives an overview of the business tax systems in the EU member states and the basic structures of the relevant European law. It is the aim of this lecture that students understand these tax systems and learn about the impact of EU tax law on tax planning opportunities. Most notably students shall also focus on ways to harmonize company taxation in the European Union as well as on the European Commission's proposal of a common consolidated tax base.	2 WLH

Examination: Oral examination (approx. 30 minutes)	6 C

Examination requirements: Proof of ability about knowledge regarding company taxation in the EU member states and the basic structures of the relevant European law. Furthermore the proof of ability to understand the ways to harmonize company taxation in the European Union and on the European Commission's proposal of a common consolidated tax base.	

Admission requirements: none	**Recommended previous knowledge:** Unternehmenssteuern I (B.WIWI-BWL.0001)
Language: English	**Person responsible for module:** Prof. Dr. Andreas Oestreicher
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 4 - 6

Georg-August-Universität Göttingen **Module B.WIWI-BWL.0087: International Marketing**	6 C 2 WLH

Learning outcome, core skills: After successful attendance the students should understand the foundations of international marketing as well as the diverse environments of global markets. Moreover, they should be able to assess global marketing opportunities and develop international marketing strategies.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: International Marketing (Lecture) *Contents*: • Introduction to international marketing • Social and cultural environments • Political, legal, and regulatory environments • Assessing global marketing opportunities • International marketing strategy (country selection, entry-modes, international marketing mix) • Branding across cultures The course conveys theoretical knowledge which is enriched by case studies.	2 WLH

Examination: Written examination (90 minutes) **Examination requirements:** Foundations of international marketing, social, cultural, political and legal environments of global markets, assessing global marketing opportunities, developing international marketing strategies, branding across cultures	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Dr. Steffen Jahn
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: not limited	

| Georg-August-Universität Göttingen | 6 C |
| **Module B.WIWI-BWL.0088: International Business** | 4 WLH |

Learning outcome, core skills:	**Workload:**
Through learning about the opportunities and problems that are presented in a global business environment, students will be better able to understand the dynamics of global business. Key objectives include: Understanding the political, economic and cultural differences in international business; Recognizing issues, problems and procedures of international business operations in the global marketplace; Understanding how companies deal with these issues; and Applying international business concepts to real life examples (case studies).	Attendance time: 56 h Self-study time: 124 h

Courses:	
1. International Business (Lecture)	2 WLH
Contents:	
This course is designed to provide a broad understanding of the scope and expansion of the business operations of multinational corporations (MNCs) in a rapidly changing global economy. Main topics include: The international business (IB) environment; Corporate policy and Strategy ; and Management of international operations.	
2. Case Study Discussion (Tutorial)	2 WLH
Contents:	
The course will be based on case studies, readings, some presentations, and, above all, the debate and the exchange of ideas and experiences. Throughout the course, students will be encouraged to bring their insights and thoughts on the material assigned into class discussion.	

Examination: Written examination (90 minutes) **Examination requirements:**	6 C
The final exam is divided into two parts: multiple-choice (40%) and essay portion (60%). The multiple-choice questions will be based on the contents of the lectures and assigned reading materials. In the essay portion, there will be three questions from which you will choose two to answer. In the essays, you are expected to show that you have understood a certain IB concept and demonstrate how it can be applied to a real life example.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Jaime Bonache
Course frequency: every second semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students:	

not limited	

Georg-August-Universität Göttingen **Module B.WIWI-BWL.0089: Corporate Financial Management**	6 C 4 WLH

Learning outcome, core skills: After successful completion of the course students should be able to • understand and analyze different financial instruments (debt, equity, and hybrids) available to a corporation. • describe the debt characteristics and understand the global environment in which debt is issued.- critically assess different financing alternatives. • demonstrate a sound knowledge of different capital structure theories. • understand and critically assess the process of capital structure optimization. • understand the components of the cost of capital and why it might change over time. • critically apply the obtained knowledge to several realistic prob-lem sets. In the accompanying practice sessions students deepen and broaden their knowledge from lectures.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Corporate Financial Management (Lecture)** *Contents*: 1. Introduction to corporate financial management 2. Equity financing: common stocks, IPOs, payout policies 3. Debt financing: corporate bonds, covenants, ABS 4. Capital structure & cost of capital 5. Hybrid financing: preferred stock, warrants & convertibles	2 WLH
2. Corporate Financial Management (Tutorial)	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: • Demonstrate a profound knowledge of equity, debt and hybrid instruments available to corporations. • Document an understanding of how strategic financing deci-sions affect company value. • Demonstrate the ability to analyze and evaluate the effect of capital structure changes on the cost of capital and on compa-ny value. • Show a profound understanding of methods and techniques to manage a company's financing needs and tactical financing decisions.	

Admission requirements: none	**Recommended previous knowledge:** Modul "Einführung in die Finanzwirtschaft" Modul "Finanzmärkte und Bewertung"
Language: English	**Person responsible for module:** Dr. Alexander Merz
Course frequency:	**Duration:**

every second semester	1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 4 - 6
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module B.WIWI-BWL.0091: Asian Business and Economics**	6 C 2 WLH

Learning outcome, core skills: Due to the high growth rates in Asian countries and the intense economic ties between Europe and Asia, the topic of "Asian Business and Economics" becomes nowadays more and more important. The objective of this course is to impart theoretical and practical knowledge about the Asian continent from a business and economic perspective. The focus lies on the Asian region, on the success factors of Asian companies and on teaching intercultural skills that are needed to operate as foreign entrepreneurs or employees in Asia. Beside the acquisition of theoretical knowledge of the management of Asian companies, the students should be prepared for a future career in companies that have business relations with Asia.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Asian Business and Economics (Seminar)	2 WLH

Examination: Presentation (ca. 30 minutes) with written elaboration (max. 8.000 words)	6 C

Examination requirements: Proof of good skills about companies and their economic relations in Asia.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Yingying Zhang
Course frequency: every second semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 4 - 6
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module B.WIWI-VWL.0041: Introduction to Development Economics**	6 C 4 WLH

Learning outcome, core skills: Students get an overview of topics in development economics: Theories, Models, Measurement, Policy relevance The idea is to introduce students to a relatively large number of interesting facts of development economics.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Introduction to Development Economics (Lecture)** *Contents*: This undergraduate course, which will be taught in English, will deal with a wide range of issues relevant to less developed countries. In the beginning, the course gives an overview of the measurement and theories of development of countries. Then it turns to special topics in development economics as trade, population, agriculture, education and health. It concludes with the role of aid for development and the measurement of the impact of development aid.	2 WLH
2. Introduction to Development Economics (Tutorial) *Contents*: The tutorial will focus on the analytical concepts discussed in the lecture, provide practical examples and show case studies.	2 WLH

Examination: Written examination (90 minutes)	

Examination requirements: In the exam students need to demonstrate a good understanding of key theories of development, empirical approaches to analyze economic development, and the role of education, health, population, and agriculture in the development process.	

Admission requirements: none	**Recommended previous knowledge:** Macroeconomics I and II, Wachstum u. Entwicklung (previous or concurrent enrollment is recommended)
Language: English	**Person responsible for module:** Prof. Stephan Klasen
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module B.WIWI-VWL.0043: Political Economy**	6 C 4 WLH

Learning outcome, core skills: This course discusses mainly about the determination of economic policies in a democracy, and focuses on modeling of policymaking in a representative democracy. Elements of a political system that will be analyzed include voters, political parties, interest groups and legislatures. Topics such as electoral competition, electoral accountability, lobbying, legislative bargaining and special-interest politics are intended to be studied. Students learn a methodology to analyze political economic issues in a democracy. They get familiar with the interaction between the elements of a political system, such as voters, political parties and interest groups.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Political Economy (Lecture)**	2 WLH
2. Political Economy (Tutorial)	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: Good knowledge of the concepts developed in the module and of the mathematical tools used to analyze them	

Admission requirements: none	**Recommended previous knowledge:** Basic microeconomics, basic game theory
Language: English	**Person responsible for module:** Refik Emre Aytimur
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 4 - 6
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module B.WIWI-VWL.0058: Industrial Organization Theory**	6 C 4 WLH

Learning outcome, core skills: Students will learn to analyze the causes and consequences of firm behavior in different market structures. Students will also learn to evaluate the welfare consequences of different types of firm strategies and of market structures. Students will gain experience in analyzing economic issues in a formal and structured manner.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Industrial Organization Theory (Lecture)** *Contents*: This course includes mainly the analysis of firm behavior and market outcomes under different forms of imperfect competition. The course focuses also on welfare consequences. Special attention is given to the strategic aspects of firm behavior.	2 WLH
2. Industrial Organization Theory (Tutorial)	2 WLH

Examination: Written examination (90 minutes) **Examination requirements:** Understanding of the main concepts and techniques developed in lectures and tutorial and ability to solve analytical exercises.	6 C

Admission requirements: none	**Recommended previous knowledge:** Basic microeconomics, basic game theory
Language: English	**Person responsible for module:** Refik Emre Aytimur
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: not limited	

Additional notes and regulations: The courses "B.WIWI-VWL.0058: Industrial Organization Theoryare" and "B.WIWI-VWL.0038: Ausgewählte Fragestellungen der Volkswirtschaftslehre: Industrial Organization Theory" are equal. Students can conclude only one of these courses.

Georg-August-Universität Göttingen **Module B.WIWI-VWL.0059: International Financial Markets**	6 C 2 WLH

Learning outcome, core skills: The course familiarizes students with the basic tools and concepts of international finance, including the balance of payment, exchange rates and trade. It focuses on understanding the international financial system. Further, aspects of financial globalization and multilateral institutions will also be discussed. The course enables students to follow to debate about the pros and cons of international financial markets with a deeper and wider theory based background.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: International Financial Markets (Lecture)
 Contents:
   • Basic concepts
   • Determining the exchange rate
   • Short term risks and long-term concepts
   • Exchange rate systems
   • Financial Globalization
	2 WLH

Examination: Written examination (90 minutes)	

Examination requirements: Students demonstrate a good understanding of the basic tools and concepts of international finance.	

Admission requirements: none	**Recommended previous knowledge:** Econometrics I
Language: English	**Person responsible for module:** Prof. Dr. Tino Berger
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module B.WIWI-VWL.0060: Intertemporal Choice and Saving**	6 C 2 WLH

Learning outcome, core skills: Students acquire knowledge of the most relevant determinants of economic agents' consumption and saving decisions, which is crucial to understanding several topics involved in modern economic and political debates, like the relationship between capital accumulation and economic growth. Further, students are expected to learn how to apply their statistical knowledge to relevant economic questions.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Intertemporal Choice and Saving (Lecture) *Contents*: This course aims at analyzing recent theoretical contributions on the economics of intertemporal choice and saving, and their empirical counterparts. The main focus will be on studying models of intertemporal and allocative choices of rational agents with a set of preferences (defined over consumption and assets) and endowments. The statistical and economic significance of the models' predictions is also highlighted. Starting from the well-known life-cycle and permanent income hypotheses, we will introduce and investigate topics like credit market imperfections (e.g. rationing), income uncertainty and its effects on optimal saving, the interplay of investment and consumption decisions, fiscal incentives and social security.	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: Good understanding of the techniques, methodologies and frameworks developed in the module, and ability to apply them to analyze economic questions related to the intertemporal allocation of consumption and saving in world of uncertainty and credit market imperfections.	

Admission requirements: none	**Recommended previous knowledge:** Microeconomic theory, Basic Mathematics and Statistics
Language: English	**Person responsible for module:** Jun.-Prof. Dr. Marco Maria Sorge
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 5 - 6

Georg-August-Universität Göttingen **Module B.WIWI-VWL.0061: Dynamic Macroeconomics**	6 C 2 WLH

Learning outcome, core skills: Students are expected to become familiar with highly sophisticated methodologies/frameworks through the lens of which scholars and policy institutions look at aggregate macroeconomic phenomena, such as business cycle fluctuations and the welfare effects of (monetary and/or fiscal) policy changes.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Dynamic Macroeconomics (Lecture) *Contents*: This course's aim is to introduce students to the recent literature on business cycle theory and econometrics. The course focuses on basic techniques for constructing, solving and estimating (linearized) Dynamic Stochastic General Equilibrium (DSGE) models, like e.g. the Kalman filter and Bayesian estimation. Topics include, but are not limited to, the following: i) Solving Rational Expectations (RE) models (e.g. Perturbation methods); ii) Identification of linearized DSGE models; v) Kalman filtering theory and ML estimation of linearized DSGE models.	2 WLH

Examination: Written Examination (90 minutes)	6 C

Examination requirements: Good understanding of the techniques, methodologies and frameworks developed in the module.	

Admission requirements: none	**Recommended previous knowledge:** Mathematics and Statistics, Basic Macroeconomics
Language: English	**Person responsible for module:** Jun.-Prof. Dr. Marco Maria Sorge
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 5 - 6
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module B.WIWI-VWL.0068: Aspects of European Integration**	6 C 3 WLH
Learning outcome, core skills: The students: • Know the rationale for the EU Single Market programme. • Know basic methods and issues in assessing the impact on economic outcomes of structural reform in labour and product markets. • Understand the concepts of potential output and employment. • Know the key features of the "European Semester". • Know the ECB's main monetary policy instruments, policies and transmission channels before, during and after the financial crisis. • Understand the rationale for macro-prudential policies, supervision and resolution of banks and financial institutions and know the main actors and instruments. • Can discuss the main issues in establishing a "banking union" and a "capital markets union". • Know the key features of the EU fiscal governance system, its strengths and weaknesses and options for reform. • Can discuss the main economic forces behind the recent economic crisis and main related issues in financial, fiscal and macro policies.	**Workload:** Attendance time: 42 h Self-study time: 138 h

| **Courses:**
1. Aspects of European Integration (Lecture)
Contents:
The first part of the course deals with main institutions, provisions and concepts underpinning the EU single market. It reviews potential static and dynamic gains of product and factor market integration, and considers stylised facts about EU trade integration and migration. It introduces EU competition and state aid policies. It explains the concepts of potential output and output gaps, and their link to macroeconomic and structural policy analysis and EU economic governance.

The second part deals with key institutional and policy issues of monetary union and financial markets. It discusses the pros and cons of a single currency and considers the operation of the System of European Central Banks and main characteristics of monetary policy in the euro area. Selective policy issues in financial market integration are addressed, including essential reform measures taken in response to the financial crisis. Attention is paid to the main drivers of the financial crisis.

The third part is devoted to fiscal policy and governance. It introduces main concepts for fiscal policy assessment, such as structural government balances and the sustainability of government finances, and discusses fiscal policy channels, potential externalities, EU fiscal surveillance and approaches to secure sustainable government finances. | 2 WLH |

The last part considers EU economic performance targets and looks on key features of EU economic surveillance and policy coordination.	
2. Aspects of European Integration (Exercise)	1 WLH

Examination: Written examination (90 minutes) **Examination prerequisites:** Two term paper (max. 3 pages per term paper)	6 C

Examination requirements: Students need to demonstrate a good understanding of the role of key regulatory and macroeconomic polices and institutions for economic development of the European Union and the euro area.	

Admission requirements: none	**Recommended previous knowledge:** Mikroökonomie I, Makroökonomie I
Language: English	**Person responsible for module:** Dr. Eckhard Wurzel
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 4 - 6
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module B.WIWI-VWL.0069: Topics in Urban Economics**	6 C 4 WLH

Learning outcome, core skills: The students learn about core economic concepts of urban economics and familiarize themselves with data sources that can be used to measure and investigate various dimensions of urban and regional development. Students learn to visualize and analyze urban and regional data and perform and document an own statistical analysis on a selected topic.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Topics in Urban Economics** (Lecture) *Contents*: The lecture discusses issues of agglomeration and the development of cities, land-use patterns, and a number of selected further issues related to urban transportation, education, crime, environment, housing and local government. It introduces basic concepts of urban economics and examines related global evidence.	2 WLH
2. Topics in Urban Economics (Exercise) *Contents*: The exercise introduces the statistical analysis of urban and regional data with the help of the freely available statistical software R. The students learn about a number of sources for urban (and other spatially explicit) data as well as basic data management and mapping techniques in R, which prepare them for conducting a descriptive data analysis on their own.	2 WLH

Examination: Practical examination with written elaboration (max. 15 pages)	6 C

Examination requirements: Each student chooses one topic related to the lecture, identifies relevant data sources, compiles the data using the statistical software R and performs a descriptive analysis of the data using the same statistical program. The exam consists of a documentation of the analysis: students have to explain the problem they investigate and provide a descriptive analysis including maps, graphs and tables.	

Admission requirements: none	**Recommended previous knowledge:** BA courses in Econometrics and Statistics BA courses in Microeconomics
Language: English	**Person responsible for module:** Prof. Dr. Krisztina Kis-Katos
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 4 - 5
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module B.WIWI-VWL.0070: International economic policy**	6 C 3 WLH

Learning outcome, core skills: The course introduces core areas of international economic policy. The students should become familiar with the economic drivers of international cooperation (or the absence of it) in various areas and should be able to discuss and evaluate economic arguments with respect to current issues of international economic policy.	**Workload:** Attendance time: 42 h Self-study time: 138 h

Courses: **1. International economic policy** (Lecture) *Contents*: The lecture covers a range of issues related to international cooperation: among others, international trade agreements, international environmental agreements, and the role of supra-national institutions (focusing among others on the institutions of the European Union).	2 WLH
2. International economic policy (Exercise) *Contents*: The exercise sessions discuss issues related to the course material (in form of problem solving and discussing descriptive evidence and current issues) and contain a block session with a simulated policy debate.	2 WLH

Examination: Written examination (90 minutes)	

Examination requirements: The exam tests the understanding of economic arguments addressing the drivers of international cooperation as well as the arising problems.	

Admission requirements: none	**Recommended previous knowledge:** Courses on Microeconomics and Macroeconomics, International Economics
Language: English	**Person responsible for module:** Prof. Dr. Krisztina Kis-Katos
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module B.WIWI-WB.0003: Introduction to Stata**	3 C 2 WLH

Learning outcome, core skills: Students will obtain the necessary skills to conduct their own empirical analysis with the statistical software package Stata.	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Computer lab sessions *Contents*: The course covers the main functionalities of Stata: basic syntax, trouble-shooting, loading and examining data, workflow considerations, combining datasets, regressions, and graphs. Depending on time availability, students may also be introduced to somewhat more advanced topics (e.g. the basics of Stata programming).	2 WLH

Examination: Practical examination **Examination requirements:** Students are required to complete an empirical project and submit the code and thus show that they are able to conduct basic empirical analysis based with the software.	3 C

Admission requirements: none	**Recommended previous knowledge:** Introductory Econometrics/Statistics
Language: English	**Person responsible for module:** Prof. Stephan Klasen
Course frequency: every semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 4 - 6
Maximum number of students: 20	

Additional notes and regulations: The course is suitable for advanced BA, who have no or at most limited knowledge of STATA. However, it is strongly recommended that students have acquired a solid knowledge of main ideas in statistics and econometrics.

Georg-August-Universität Göttingen **Module M.MED.0001: Linear Models and their mathematical Foundations**	9 C 6 WLH

Learning outcome, core skills: **Contents** Tests for multiple samples, multivariate normal distribution, distribution of quadratic forms, linear regression models, ANOVA models, ordinary and generalized least squares estimators, formulation of hypotheses, F-test, confidence intervals for model parameters, singular models, factorial designs, asymptotic methods **The students learn to** - master the fundamental methods for data analysis in case of multiple samples, - conduct an analysis of variance using statistical software, - interpret the results.	**Workload:** Attendance time: 84 h Self-study time: 186 h

Courses:	
1. Lineare Modelle (Lecture)	4 WLH
2. Lineare Modelle (Exercise)	2 WLH

Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes) **Examination prerequisites:** Achievement of at least 50% of the exercise points **Examination requirements:** In the examination, the students show that for the given problem they can formulate an adequate linear model, estimate its parameters and test hypotheses using a statistical software package. Moreover, they can interpret the results and critically assess them. The examination consists (to the same extent) of both the Lectures and Exercises.	9 C

Admission requirements: none	**Recommended previous knowledge:** Mathematische Grundlagen der angewandten Statistik
Language: English	**Person responsible for module:** Prof. Dr. Tim Friede
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1
Maximum number of students: 30	

Additional notes and regulations: The actual examination type will be published at the beginning of the semester.

Georg-August-Universität Göttingen **Module M.MED.0003: Event data analysis**	6 C 4 WLH

Learning outcome, core skills:	**Workload:**
Inhalt: Kaplan-Meier estimator of survival functions, confidence intervals for Kaplan-Meier curves, hypothesis tests comparing survival curves, Cox proportional hazards model, parametric alternatives to the Cox proportional hazards model, counting processes, diagnostic methods for proportional hazards, frailty models, multivariate survival models, models for recurrent events **Qualifikationsziele:** The students • learn about the foundations and general principles of event data analysis • get familiar with standard and more advanced methods for event data analysis • learn how to implement these methods in statistical software using appropriate numerical procedures.	Attendance time: 56 h Self-study time: 124 h

Courses:	
1. Ereigniszeitanalyse (Lecture)	2 WLH
2. Ereigniszeitanalyse (Exercise)	2 WLH
Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes) **Examination prerequisites:** Achievement of at least 50% of the exercise points **Examination requirements:** The students demonstrate their general understanding of statistical models and data analysis techniques for event data analysis. For a given problem they can critically assess the advantages and disadvantages of various models. Furthermore, they can fit an appropriate model using statistical software and interpret the results correctly for a given problem. The exam covers contents of both the lecture and the exercise class.	6 C

Admission requirements: keine	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Tim Friede
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: not limited	

Additional notes and regulations:

The actual examination type will be published at the beginning of the semester.

Georg-August-Universität Göttingen **Module M.MED.0004: Clinical Trials**	6 C 4 WLH

Learning outcome, core skills: **Inhalt:** Classification of clinical trials by purpose and development phase, clinical study protocol, randomization, treatment blinding, international guidelines on design, conduct and analysis of clinical trials, ethical issues in clinical trials, crossover trials, sample size calculation, internal pilot study design, group-sequential and adaptive designs, systematic reviews and meta-analyses of randomized controlled clinical trials. **Qualifikationsziele:** The students - learn about the foundations and general principles of design, conduct and analysis of clinical trials - get familiar with software to design clinical trials - learn how to carry out a meta-analysis using appropriate software.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses:	
1. Clinical Trials (Lecture)	2 WLH
2. Clinical Trials (Exercise)	2 WLH

Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes) **Examination prerequisites:** Achievement of at least 50% of the exercise points	6 C

Examination requirements: The students demonstrate their understanding of design, conduct and analysis of clinical trials. For a given problem they can critically assess the advantages and disadvantages of various study designs. They can plan a study using appropriate software. Furthermore, they can carry out a meta-analysis of randomized controlled trials, assess it for biases and heterogeneity, and interpret the results. The exam covers contents of both the lecture and the exercise class.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Tim Friede
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3
Maximum number of students: not limited	

Additional notes and regulations:

The actual examination type will be published at the beginning of the semester.

Georg-August-Universität Göttingen **Module M.MED.0006: Genetic Epidemiology**	6 C 4 WLH

Learning outcome, core skills: Studies in molecular / genetic epidemiology are investigating possible genetic components that are contributing to a disease or, more general, to a phenotype. The studies include population studies and family studies. The difference with classical epidemiology is mainly given by the incorporation of correlations of the genetic structures and of family members or close populations and by the highdimensionality oft many studies. The course will discuss the most important study types and statistical and epidemiological methods. The lecture will also give necessary introductions to genetics as well as epidemiology. The students learn about • the description of genetically co-determined phenotypes for diseases in populations and families • the discovery of risk faktors that are on one hand associated with the phenotype in the population or on the other hand provoke familial aggregations • the modelling of the role of genetic risk faktors for diseases on the population and family level • the prediction or risk calculation based on populations or families.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Genetic Epidemiology** (Lecture) **2. Genetic Epidemiology** (Exercise)	2 WLH 2 WLH

Examination: 1st part examination: ca. 30 minutes oral presentation and written draft (max.10 pages) - contents: critics of the references of 1-2 scientific articles. 2nd part examination: oral examination (ca. 20 minutes) **Examination prerequisites:** Constant attandance of excercises (80%). At least 50% of the earned points at regular homeworks. **Examination requirements:** 1. part examination: In the talk together with the write-up they demonstrate that they can apply their knowledge and understanding in the context of a literature by demonstrating an understanding of the study goals, the recruitment, the study design, the materials, the methods and the results. For all this an understanding of why investigators took certain choices and why certain aspects are good or bad are expected in the critique. In particular it is also expected that basic principle of the methods will be understand and looked up even if they are extensions of the direct material covered in class. 2nd part exmination: The students demonstrate their general understanding of genetic and statistical models and designs. They know about the advantages and disadvantages of the different research questions and designs. They know the general properties of the statistical	6 C

approaches and can critically assess the appropriateness for specific problems and

apply them. The exam covers contents of both the lecture and the exercise class.

Examination requirements:

The students demonstrate their general understanding of genetic and statistical models

and designs. They know about the advantages and disadvantages of the different

research questions and designs. They know the general properties of the statistical

approaches and can critically assess the appropriateness for specific problems and

apply them. The exam covers contents of both the lecture and the exercise class.

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Heike Bickeböller
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0004: Financial Risk Management**	6 C 4 WLH

Learning outcome, core skills: After a successful completion of the course students should be able to • understand and explain how risk management is related to other issues in corporate finance. • critically assess different motivations for corporate risk management. • understand and critically assess different risk measures and how they are applied in practice. • understand and explain how international risks can be managed and how the management of international risks is related to various economic parity conditions. • understand, analyze and critically apply measures and methods to manage interest rate risk. • understand, analyze and critically apply measures and methods to manage credit risk. • understand, analyze and critically apply hedging strategies for commodity price risk.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Financial Risk Management (Lecture)** *Contents*: 1. Introduction 2. Risk Management: Motivation and Strategies 3. Managing International Risks 4. Managing Interest Rate Risk 5. Managing Credit Risk 6. Managing Commodity Price Risk Parts of the material covered by the lectures will be transmitted via recordings that students have to work through on their own. Parts of the contact hours during lectures will be used by the students to discuss open issues and to work on specific cases and applications of the main concepts.	2 WLH
2. Financial Risk Management (Tutorial) *Contents*: In the accompanying practice sessions students deepen and broaden their knowledge from the lectures.	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: • Demonstrate a profound knowledge of how risk management is related to other issues in corporate finance. • Document an understanding of viable reasons for corporate risk management and how corporate risk management can create value. • Demonstrate the ability to analyze and apply different risk measures.	

- Show a profound understanding of methods and techniques used to manage international risks, interest rate risk, credit risk, and commodity price risk.

Admission requirements:	Recommended previous knowledge:
none	Modul "Finanzwirtschaft"
Language:	**Person responsible for module:**
English	Prof. Dr. Olaf Korn
Course frequency:	**Duration:**
Generally every winter semester during the first half of the semester	1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**
twice	2 - 3
Maximum number of students:	
not limited	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0018: Analysis of IFRS Financial Statements**	6 C 4 WLH

Learning outcome, core skills: The aim of this course is to familiarize students with contemporary methods of financial statement analysis and accounting-based valuation. Special emphasis will be put on (1) the interrelation between valuation theory and accounting, (2) relevant characteristics of financial statements prepared on the basis of International Financial Reporting Standards (IFRS), and (3) application of the valuation and analysis framework to real world cases and examples. The course will discuss several approaches to valuation of equity and debt investments and their respective merits. Based on the concept of accounting-based valuation, an analytical framework for analysis of financial statements will be developed, with an emphasis on ratio analysis of profitability and growth. The role of accounting and accounting quality in general, and with respect to International Financial Reporting Standards (IFRS), will be assessed throughout the course. Successful participants of this course are expected to be familiar with contemporary methods of equity valuation, the use of financial statement information to that end, and the application of that knowledge to real-world valuation cases.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses:
1. Analysis of IFRS Financial Statements (Lecture)
Contents:
 	
     I.   *Foundations of Financial Statement Analysis*
 	
    II.   *IFRS Financial Statements*
 	
   III.   *Valuation Methods*
 	
   IV.   *Analysis of Financial Statements*
 	
    V.   *Forecasting and Valuation Analysis*
	2 WLH

2. Analysis of IFRS Financial Statements (Tutorial)	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: In order to accomplish successfully this course, students are expected to be familiar • with contemporary methods of equity valuation, • the use of financial statement information to that end, and • the application of that knowledge to real-world valuation cases.	

Admission requirements: none	**Recommended previous knowledge:** Modul "Rechnungslegung"
Language: English	**Person responsible for module:** Prof. Dr. Jörg-Markus Hitz
Course frequency: every second semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**

twice	2 - 3
Maximum number of students: not limited	

twice | 2 - 3

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0020: Risk Management and Solvency**	6 C 2 WLH

Learning outcome, core skills: • Knowledge and understanding of the functions and elements of a risk management system, of the risk potentials and its valuation of an insurance company; • Knowledge of the legal requirements regarding risk management and solvency, especially Solvency II; • Knowledge of the relevant techniques used in risk management of an insurance company (stress tests, ALM, Embedded Value, actuarial analysis, Value Based Management); • Understanding of the relevant methods used in the balance sheet of an insurance company (HGB, IFRS, solvency balance sheet); • Ability to develop simple task settings independently with regard to risk management and solvency	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Risk Management and Solvency (Lecture) *Contents*: • Role and components of a risk management system • Legal requirements: MaRisk, stress tests, actuarial reporting, market consistent valuation (IFRS) • Solvency requirements (Solvency I, Solvency II) • Value Based Management, Embedded Value, Asset Liability Management (ALM)	2 WLH

Examination: Written examination (120 minutes)	6 C

Examination requirements: • Document a knowledge and understanding of the functions and instruments of risk management and of the valuation of risk potentials; • Demonstrate a knowledge and understanding of quantitative and qualitative requirements of the solvency regime; • Demonstrate a knowledge and understanding of market consistent valuation within solvency, HGB,IFRS; • Demonstrate the ability for simple calculations with regard to risk management and solvency.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Balleer
Course frequency: every second semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3
Maximum number of students:	

not limited	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0075: Pricing Strategy**	6 C 4 WLH

Learning outcome, core skills: After successful attendance the students should be able to implement the most important determinants of pricing policy and pricing management, as well as to apply selected marketing techniques, marketing strategies, psychological and economic theories for the analysis of optimal pricing strategies. Further, the students learn to investigate the pricing strategy from a B2B and B2C perspective, completed on case studies and caselets.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses:
 	
1. Pricing strategy (Lecture)
 	
Contents:
 	
   • Introduction to pricing strategy
   • Value creation
   • Market segmentation and pricing structure
   • Price adjustment
   • Pricing strategy and price level
   • Cost and financial analysis
 	
The course's conveyed theoretical knowledge is practiced and consolidated with the help of case studies
	2 WLH

2. Pricing strategy (Exercise)	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: Tactics of pricing policy, pricing strategies, Calculation of the economic value of products, pricing mechanisms, financial analysis, pricing mechanisms in competition	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Yasemin Boztug
Course frequency: every second winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0109: International Human Resource Management**	6 C 3 WLH

Learning outcome, core skills: Students get insights into major topics of Human Resource Management (HRM) in an international context. The course will introduce the context international managers need to consider, e.g. cultural differences, and major HRM functions, e.g. global staffing. The course consists of lectures and tutorials. Lectures will provide an introduction to relevant aspects of HRM in an international context. Tutorials will help students to discuss and transfer knowledge between theory and practice.	**Workload:** Attendance time: 42 h Self-study time: 138 h

Courses:	
1. International Human Resource Management (Lecture)	2 WLH
2. International Human Resource Management (Tutorial)	1 WLH

Examination: Written examination (120 minutes) **Examination requirements:** Demonstrate a profound knowledge of and ability to manage challenges in international HRM.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Fabian Froese
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0110: Strategic Human Resource Development**	6 C 2 WLH
Learning outcome, core skills: Students will understand the relationship between strategy and human resource development and the different models as well as tasks and phases of human resource development. By using an innovative approach the students will be enabled to plan and evaluate measures of human resource development in practice. In the past we have covered e.g.: • Strategic approaches to human resource development • Didactics and methods of training • Competency management • Qualitative and quantitative analysis of training needs and diagnostics • Forms of human resource development • Ensuring Transfer • Quality management and controlling • Case: Design of a development measure • Leadership Development • Talent management • Coaching/ Mentoring • Development of (leadership-)teams • Organizational development	**Workload:** Attendance time: 28 h Self-study time: 152 h
Course: Strategic Human Resource Development (Seminar) *Contents*: To achieve strategic goals companies need to recruit, retain and develop the right employees. In this regard the seminar focuses on strategic human resource development as one important driver of successful strategy implementation. The seminar provides an overview of the objectives, phases and measures of personnel and leadership development and introduces the students to different methods of training. The seminar is praxis-oriented and fosters individual application and transfer. It has a significant practical element as students will carry out their own training designs and present them to the class. Therefore, in the beginning, basics of human resource development will be covered by the lecturer and an overview of training methods will be given. Building on this, groups of students will present their own topic.	2 WLH
Examination: Presentation (approx. 60 minutes) and written elaboration (max. 20 pages) **Examination requirements:** To pass the course students have to write a seminar paper and give a presentation. They have to prove, that they are able to systematically apply their knowledge of training design. Attendance is mandatory.	6 C

Admission requirements: none	Recommended previous knowledge: Basic knowledge of Human Resource Management

Language:	Person responsible for module:
English	Anna Katharina Bader
Course frequency:	**Duration:**
every winter semester	1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**
twice	2 - 4
Maximum number of students:	
20	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0111: Selected Topics in Asian Business and Management**	6 C 2 WLH

Learning outcome, core skills: After attending this seminar, students will be able to analyse contemporary Asian business and management issues. The course will also give guidance on academic writing.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Selected Topics in Asian Business and Management (Seminar) *Contents*: The rapidly growing presence of Asian countries in the modern economy and intensifying business ties between Europe and Asia necessitate thorough academic research and understanding of Asian business and management. The seminar will place particular focus on selected Asian countries, e.g. China, Japan, South Korea, and Indonesia. It will cover research fields related to Asian business and management issues (e.g. market entry, employee retention, expatriates, M&A). This seminar will also provide a platform for interdisciplinary approaches and comparative research of respective countries.	2 WLH

Examination: Presentation (approx. 30 minutes) and term paper (max. 7000 words) **Examination requirements:** Demonstrate profound knowledge of a specific topic in Asian business and management. Present and write a research paper.	6 C

Admission requirements: none	**Recommended previous knowledge:** Asian Business and Management (lecture)
Language: English	**Person responsible for module:** Prof. Dr. Fabian Froese
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0112: Corporate Development**	6 C 4 WLH

Learning outcome, core skills: Students… • are familiar with different perspectives and drivers of corporate development. • can identify and define options of action and strategies for the development of companies and the conditions necessary to obtain success. • know tools and measures important for the control of innovative activities in companies. • apply the tools and concepts that have been acquired in order to analyze as well as to tackle case studies. • are able to deal with the ambiguity of real situations and make reasonable decisions.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Corporate Development** (Lecture) *Contents*: This course introduces models and strategies of corporate development: • Core topics and practical relevance of corporate development • Models and processes of corporate development • Strategies of corporate development in a globalized world, direction of growth and shift of boundaries of companies • Innovation strategies and management	2 WLH
2. Corporate Development (Exercise) *Contents*: The tutorial complements the lecture. Students learn how to apply tools and concepts in order to analyze and tackle case studies and how to deal with the ambiguity of real situations.	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: Demonstrate a profound knowledge of and ability to manage challenges in corporate development.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Indre Maurer
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3

Maximum number of students:	
not limited	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0115: Human Resource Management Seminar**	6 C 2 WLH

Learning outcome, core skills: In this seminar, students should independently and systematically work on a current topic in human resource management (HRM). Students can select among different topics regarding HRM and are supposed to prepare a research paper.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Human Resource Management Seminar (Seminar) *Contents*: The objective of this seminar is to encourage students to approach a current HRM topic from a scientific perspective. Students can also improve their communication and presentation skills while discussing the work of their peers and presenting their own research project. This seminar might further prepare students to write a master thesis. The seminar paper can be written in English or German.	2 WLH

Examination: Presentation (approx. 30 minutes) and term paper (max. 7000 words) **Examination requirements:** Demonstrate a profound knowledge of a specific topic in HRM and ability to develop theoretical and practical implications.	6 C

Admission requirements: none	**Recommended previous knowledge:** Modul "International Human Resource Management", Modul "Survey Research"
Language: German, English	**Person responsible for module:** Prof. Dr. Fabian Froese
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0116: Asian Business and Management**	6 C 2 WLH

Learning outcome, core skills: Due to the rapid growth of Asian countries in the modern economy and intense business ties between Europe and Asia knowledge about Asian business and management has become important. This course aims at increasing the understanding of Asian business and management. Students will learn about the economic environments, success factors of major Asian companies and how foreign companies and managers can succeed in selected Asian countries, e.g. China, South Korea, and Japan.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Asian Business and Management (Lecture)	2 WLH

Examination: Written examination (90 minutes) **Examination requirements:** Demonstrate knowledge of Asian business and management.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Fabian Froese
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0118: Survey Research**	6 C 2 WLH

Learning outcome, core skills: This seminar provides an overview of the whole process of a survey research project, including survey design, implementation, and statistical analyses. Students will learn theoretical foundations as well as practical application of statistical methods, which provide them the knowledge to conduct and analyze survey results by using statistical software, such as SPSS and AMOS. The seminar should prepare students to conduct empirical research projects, e.g. as part of a master thesis, according to scientific standards.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Survey Research (Seminar)	2 WLH

Examination: Presentation (approx. 20 minutes) with written elaboration (max. 8000 words)	6 C

Examination requirements: To pass the course, students have to write a seminar paper and give a final presentation. They have to demonstrate that they are able to systematically apply their knowledge of survey research methods.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Fabian Froese
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0122: Cross-Cultural Management**	6 C 2 WLH

Learning outcome, core skills: Cross-Cultural Management is an interdisciplinary field of study which aims to improve communication, management and interaction of people from different cultures. Through the increased globalization of the economy, cross-border ventures, global relocations and the increased use of e-commerce, many businesses are finding that managing cultural differences can be a key factor in obtaining their objectives. The lecture itself deals with several key competencies and methods the students will need when working with/in different cultures.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Cross-Cultural Management (Lecture)	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: Proof of knowledge of the various characteristics, methods and problems in cross-cultural management.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Jaime Bonache
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0123: Tax Transfer Pricing**	6 C 2 WLH

Learning outcome, core skills: Having attended this lecture series the students • know the basic fundamentals of international tax transfer pricing including the legal basis for adjusting income, • are familiar with the OECD transfer pricing guidelines and selected German equivalents, • know the methods to determine transfer prices, • know possibilities and limitations of profit shifting via transfer pricing, • gain an insight into the extent of profit shifting via transfer pricing by examining relevant empirical and experimental literature, • are competent in using different methods of calculating transfer prices for tax purposes, • are in a position to assess the appropriateness of transfer pricing mechanisms and to apply transfer pricing methods.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Tax Transfer Pricing (Lecture) *Contents*: The lecture series gives an overview of the fundamentals of transfer pricing. It is the aim of the series that students gain understanding of the institutional background of international tax transfer pricing taking into account the allocation of functions, assets and risks among affiliated companies. Students should also learn about the opportunities and limitations of tax planning via transfer pricing. Furthermore, the series provides insights into empirical and experimental studies dealing with profit shifting via transfer pricing.	2 WLH

Examination: Oral examination (approx. 30 minutes) **Examination requirements:** Evidence of knowledge on institutional framework conditions concerning tax transfer pricing, tax planning on the basis of transfer pricing, and limitations to profit shifting via transfer pricing.	6 C

Admission requirements: none	**Recommended previous knowledge:** Modul "Grundlagen der internationalen Unternehmensbesteuerung" (M.WIWI-BWL.0105)
Language: English	**Person responsible for module:** Prof. Dr. Andreas Oestreicher
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 32	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0125: International Organizational Behavior**	6 C 2 WLH

Learning outcome, core skills: This seminar is an inter-disciplinary examination of the international dimensions of organizational behavior. The course content includes topics such as cross-cultural management, cross-cultural communication, and global aspects of leadership, motivation, team management, and decision-making. The seminar will deal with topics within the field of „Organizational Behavior" in an international context. The course will enable the students to develop transferable skills suitable for engaging with the challenges of employment/self-employment within the global economy. Comprehensive understanding of the processes of globalization in the 21st century and their implications for the business person. They will gain comprehensive knowledge and skills for successful careers in multinational corporations, non-governmental organizations, and academic institutions	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: International Organizational Behavior (Seminar)	2 WLH

Examination: Presentation (approx. 30 minutes) with written elaboration (max. 8.000 words)	6 C

Examination requirements: Demonstration of in-depth knowledge regarding the "International Management" research and development and of theoretical and practical implications obtaining from your own research project.	

Admission requirements: none	**Recommended previous knowledge:** Lecture "Organizational Behavior" Lecture „International Human Resource Management"
Language: English	**Person responsible for module:** Prof. Jaime Bonache
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 20	

Georg-August-Universität Göttingen	6 C
Module M.WIWI-BWL.0126: Consumer Science & Public Policy	2 WLH

Learning outcome, core skills:	Workload:
After successful attendance the students should understand the public policy implications of consumer behavior. Moreover, they should be able to craft concrete policy suggestions based on recent consumer research.	Attendance time: 28 h Self-study time: 152 h

Course: Consumer Science & Public Policy (lecture)	2 WLH
Contents: The course consists of two parts, a lecture and a presentation of a term paper. Lecture content: • Introduction to consumer science & public policy • Transformative consumer research • Nutrition and health • Consumer vulnerability and protection • Ethics and social responsibility	

Examination: Written examination (45 minutes) **Examination requirements:** Health marketing, food marketing, ethics, consumer protection, transformative consumer research	3 C

Examination: Presentation (approx. 20 minutes) with written elaboration (max. 12 pages) **Examination prerequisites:** regular participation **Examination requirements:** The term paper will contain a summary of selected research on a given topic (consumer science part). Moreover, participants are expected to critically discuss current policies in consumer science and to formulate additional public policy implications. The papers will be presented in class.	3 C

Admission requirements:	Recommended previous knowledge:
none	none
Language: English	**Person responsible for module:** Prof. Dr. Yasemin Boztug Dr. Steffen Jahn
Course frequency: every winter term	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0129: International Management Research Seminar**	6 C 2 WLH

Learning outcome, core skills: The participants aim to improve their communication and presentation skills. Scientific methodology knowledge, what they need later for their own thesis, will be provided in the seminar.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: International Management Research Seminar *Contents*: In this research seminar, the Master students should work independently and systematically on a research question. The participants can choose one of the current themes from the area of "International Management" or choose their own research topic from a related field.	2 WLH

Examination: Presentation (ca. 30 minutes) with written elaboration (max. 8.000 words)	6 C

Examination requirements: Demonstration of in-depth knowledge regarding the "International Management" research and development and of theoretical and practical implications obtaining from your own research project.	

Admission requirements: none	**Recommended previous knowledge:** Lecture "Organizational Behavior", Lecture „International Human Resource Management"
Language: English	**Person responsible for module:** Prof. Israel Drori
Course frequency: every second semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0130: Doing Business in Asia**	6 C 2 WLH

Learning outcome, core skills: Students are brought closer to the business activities, as well as their influence, of the latest developments within the legal framework for market entry in the countries of South and East Asia. Furthermore, strategic and operational management measures for the Asian region are taught and supported with practical examples. Predominantly, the focus is going to be on China (winter semester 2015/2016). Beside the acquisition of theoretical knowledge of the management of Asian companies, the students should be prepared for a future career in companies that have business relations with Asia.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Doing Business in Asia (lecture)	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: Proof of knowledge of the various characteristics, methods and problems in Asian Business.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Yingying Zhang
Course frequency: every second semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0133: Banking Supervision**	6 C 2 WLH

Learning outcome, core skills: After a successful completion of the course students should be able to • understand and explain how banking supervision has developed over time and how it differs across jurisdictions • understand, explain and critically apply standard measures and methods of banking supervision • understand and explain the Euro area banking union • understand, explain and critically apply key concepts in banking regulation • understand, explain and critically apply key measures and methods to assess the risks of financial institutions • understand and explain micro-and macroprudential supervision and their differences	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Banking Supervision (Lecture) *Contents*: 1. Introduction (e.g. banking structure) 2. Foundations of banking supervision • Historical developments • Comparison across different jurisdictions 3. Banking Union – SSM 4. Banking Regulation • Basel III, CRDIV/CRR • ASFR model by Gordy • Further requirements on banks 5. SSM Guide on banking supervision • How is banking supervision applied? 6. Risk Analysis • Stress testing • Bank Rating 7. Microprudential versus macroprudential supervision	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: • Document an understanding how banking supervision has developed over time and how it differs across jurisdictions • Demonstrate a profound knowledge of standard measures and methods of banking supervision • Show an understanding of the Euro area banking union	

- Demonstrate the ability to explain and to some extent to apply key concepts in banking regulation
- Document the knowledge to apply key measures and methods to assess the risks of financial institutions and to interpret the obtained results appropriately
- Document an understanding of micro-and macroprudential supervision and their differences

Admission requirements:	Recommended previous knowledge:
none	Modul Finanzwirtschaft, Modul Financial Risk Managmenet, Modul Rechnungslegung der Kreditinstitute
Language: English	**Person responsible for module:** Dr. Philipp Koziol
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0134: Panel Data Analysis in Marketing**	6 C 2 WLH

Learning outcome, core skills: After successful attendance the students will understand the methodological principles of panel data modeling, especially in the context of consumer behavior and marketing-mix models. Further, they will be able to conduct own panel data analyses using the statistical programming language *R*.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Panel Data Analysis in Marketing (Lecture with exercise) *Contents*: • Introduction to *R* • Refreshment in Regression Analysis • Fixed Effects Models • Random Effects Models • Dynamic Panel Models The course is open to Master and Ph.D. students.	2 WLH

Examination: Term Paper (max. 12 pages)	6 C

Examination requirements: The term paper will contain a self-conducted empirical project. Students will be provided with empirical data, but are welcome to analyze own projects. Students are advised to use the statistical programming language *R*, but can be allowed to use different statistics software in exceptional cases. Theoretical, methodological and empirical elaboration of a selected topic in panel data analysis with focus on consumer behavior and/or marketing-mix modeling.	

Admission requirements: none	**Recommended previous knowledge:** Basics in inferential statistics
Language: English	**Person responsible for module:** Dr. Ossama Elshiewy
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0135: Digital Innovations and Design Thinking**	6 C 2 WLH

Learning outcome, core skills: At the end of this active-learning based course, the student is expected to: • Comprehend the opportunities created by digital innovations • Understand and apply the process for design thinking • Design digital solutions to meet customer needs • Design and evaluate entrepreneurial action	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Digital Innovations and Design Thinking (Lecture) *Contents*: With technology disrupting firms and increasingly, entire industries, the imperative is for students to have a deep understanding of digital innovations that are likely to shape the future and have the capacity to innovate. This project-based interdisciplinary course positioned at the intersection of digital innovations, design thinking and entrepreneurship is aimed at delivering the competencies demanded by businesses, non-profits and government agencies alike – an understanding of transformational opportunities created by digital technologies and the capacity to innovate. To help students build the capacity to innovate, the course uses the design thinking framework developed at Stanford University and widely used across the world today.	2 WLH

Examination: Presentation (approx. 30 minutes) with written elaboration (max. 12 pages total, divided into three parts)	6 C

Examination requirements: To pass the course, students have to write a seminar paper and give a related presentation. They have to demonstrate that they are able to systematically apply their knowledge of digital innovations and design thinking.	

Admission requirements: none	**Recommended previous knowledge:** Basic knowledge of Business Administration and Information Management.
Language: English	**Person responsible for module:** Prof. Balaji Rajagopalan, PhD.
Course frequency: each second semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students:	

16	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0136: Digital Transformation**	6 C 2 WLH

Learning outcome, core skills: This course aims to develop a cross-functional and managerial understanding of digital transformation of business. Specifically, participants in this course are expected to learn about:	**Workload:** Attendance time: 28 h Self-study time: 152 h

- What concepts, frameworks, and tools can guide the general manager in executing a digital transformation initiative?
- How can digital capabilities inside an incumbent firm facing potential digital disruption be built and fostered to compete?
- What are the main digital drivers (e.g., cloud, social, mobile, big data) that underlie current changes in society/business?
- What is the business impact of these digital drivers at the level of markets, business models, and individual work practices?
- How should managers reinforce existing and foster new capabilities to be able to drive digital transformation initiatives?

Course: Digital Transformation (Lecture) *Contents*: Until recently, the knowledge of Information Technology (IT) and its application in the enterprise had been confined to the IT department. Not anymore. Today –in the Digital Age– successful business manager must not only know how to interpret a P&L statement and read a balance sheet, but also understand "digital" and anticipate its impact on business. The Digital Age, fueled by the drastic reduction in the cost of processing, storage, and communication, is creating a high-density digital. Technology today is both available and affordable. This creates a new phenomenon where individuals incorporate cutting-edge digital technologies in their personal lives before businesses get a chance to adopt and implement them. In a way, this leads to a new kind of digital divide -that between society and business. Customers and employees of the younger generation come with new expectations that companies are not prepared to meet. To address this challenge, today's business leaders must be able to think digital. Thinking digital does not equal thinking IT. Digital focuses much less on process automation, transactions, and efficiency, and much more on creating new value-added experiences and interactions with customers, employees and business partners. Ultimately, it enables the firm to generate new revenue by finding unique ways to combine its physical and digital resources.	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements:	

In order to accomplish successfully this course, students are expected to document an understanding of:

- Main digital drivers and their impact on society/business
- Digital capabilities needed to face potential digital disruptions
- Concepts and frameworks of digital transformation initiatives
- Managerial capabilities needed to address digital transformation initiatives

Admission requirements:	Recommended previous knowledge:
none	Basic knowledge of Business Administration and Information Management
Language:	**Person responsible for module:**
English	Prof. Dr. Robert Wayne Gregory
Course frequency:	**Duration:**
every second semester	1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**
twice	1 - 4
Maximum number of students:	
30	

Additional notes and regulations:
Teilnehmerbegrenzung der „Vorlesung" aufgrund der Fallstudien.

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0137: Electronic Commerce Systems**	6 C 2 WLH

Learning outcome, core skills: Upon completing this course the student will be able to: 1. Explain the characteristics and functions of electronic commerce including mobile commerce. 2. Describe the process of developing electronic commerce sites and mobile commerce applications. 3. Implement an electronic commerce site using open source software. 4. Explain fundamental characteristics of electronic markets. 5. Describe common business models used in B2C and B2B electronic commerce. 6. Describe security and payment in electronic commerce including mobile commerce. 7. Describe the technology used in mobile commerce. 8. List common applications in mobile commerce. 9. Speculate on the future of electronic commerce.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Electronic Commerce Systems *Contents*: This course examines the concepts, technology, and applications of electronic commerce, or e-commerce. Students are to work in teams to plan an e-commerce site for a real or hypothetical business and implement the site using PrestaShop. Students are to present their plan and implementation in a written report and in an oral presentation using PowerPoint.	2 WLH

Examination: Written examination (60 minutes) **Examination prerequisites:** Practical examination and presentation (approx. 45 minutes)	6 C

Examination requirements: To pass the course, students have to demonstrate that they are able to systematically apply their knowledge of the conceptual and technological foundations of e-commerce.	

Admission requirements: none	**Recommended previous knowledge:** Students should have a basic understanding of information systems, the Internet, and the Web.
Language: English	**Person responsible for module:** Prof. Robert C. Nickerson
Course frequency: every second semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4

Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0139: Discrete Choice Modeling**	6 C 2 WLH

Learning outcome, core skills: A comprehensive course for advanced discrete choice analysis (stated vs revealed choice, cross-sectional vs repeated data, Logit, Probit, GEV, Mixed models, classic vs. Bayesian estimation, etc.) Students will be able to apply own discrete choice models using the statistical programming language R.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Discrete Choice Modeling (Lecture with exercise)
Contents:
    • Multinomial Logit (MNL) and Probit Models
    • Generalized Extreme Value Models
    • Finite Mixture and Mixed MNL Models
    • Hierarchical Bayesian MNL Models
 	
The term paper will contain a self-conducted empirical project. Students will be provided with empirical data, but are welcome to analyze own projects. Students are advised to use the statistical programming language *R*, but can be allowed to use different statistics software in exceptional cases.
	2 WLH

Examination: Term Paper (max. 12 pages)	6 C

Examination requirements: Theoretical, methodological and empirical elaboration of discrete choice modeling.	

Admission requirements: none	**Recommended previous knowledge:** Basics in probability theory and distributions, inferential statistics, maximum likelihood estimation and (logistic) regression analysis
Language: English	**Person responsible for module:** Dr. Ossama Elshiewy
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0140: Seminar in Empirical Research**	6 C 2 WLH

Learning outcome, core skills: The aim of this course is to familiarize students with the basic concepts and understanding about empirical research in business and economics. In this seminar students learn how to choose a paper, and replicate its results using a different dataset.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: An Introduction to Empirical Research in Business and Economics (Seminar) *Contents*: 1. Where to start 2. The Basics 3. Choosing a Paper 4. Choosing the Data 5. Replication	2 WLH

Examination: Term Paper (max. 15 pages) **Examination requirements:** In order to accomplish successfully this course, students are expected to: • Understand the assigned paper • Find a dataset that matches their model • Replicate the paper • Interpret the results	6 C

Admission requirements: none	**Recommended previous knowledge:** • Econometrics • Stata • General Knowledge about the economic theory
Language: English	**Person responsible for module:** Prof. Dr. Andreas Oestreicher
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 10	

Georg-August-Universität Göttingen **Module M.WIWI-BWL.0142: Publishing in Management Journals**	6 C 2 WLH

Learning outcome, core skills: 1. To explore current debates in Human Resource Management 2. To become familiar with examples of good empirical research 3. To produce an academic (seminar) paper	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Publishing in Management Journals (Seminar) *Contents*: This is a seminar for (advanced) master students with the aspiration to pursue a PhD after finishing their Master studies. The purpose of this course is to give students practice in crafting manuscripts that are publishable in scholarly journals. Discussing and learning from peer-reviewed scholarly papers and other students' work-in-progress papers will be the primary format of this course. Preparing assigned reading material and working on your own paper are thus of the utmost importance.	2 WLH

Examination: Presentation (ca. 20 minutes) with written elaboration (max. 8000 words) **Examination prerequisites:** Regular active attendance.	6 C

Examination requirements: To pass the course, students have to demonstrate that they are able to systematically apply their knowledge of discussing, understanding and writing academic articles published / publishable in scholarly journals.	

Admission requirements: none	**Recommended previous knowledge:** first academic writing skills
Language: English	**Person responsible for module:** Prof. Dr. Fabian Froese
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 15	

Georg-August-Universität Göttingen	6 C
Module M.WIWI-QMW.0001: Generalized Linear Models	4 WLH

Learning outcome, core skills:	Workload:
The students • gain an overview on extended regression modelling techniques that allow to analyse data with non-normal responses. • learn about approaches for modeling nonlinear effects in scatterplot smoothing. • get an introduction to additive models for complex regression analyses. • learn how to implement these approaches using statistical software packages.	Attendance time: 56 h Self-study time: 124 h

Courses:	
1. Generalized Linear Models (Lecture)	2 WLH
Contents: Generalized linear models (binary and Poisson regression, exponential families, maximum likelihood estimation, iteratively weighted least squares regression, tests of hypotheses, confidence intervals, model selection and model checking, categorical regression models), nonparametric smoothing techniques (penalized spline smoothing, local smoothing approaches, general properties of scatterplot smoothers, choosing the smoothing parameter, bivariate and spatial smoothing, generalized additive models)	
2. Generalized Linear Models (Tutorial)	2 WLH

Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes)	6 C
Examination prerequisites: Presentation (approx. 40 minutes) or Exercises (50% successful completion) **Examination requirements:** In the exam, the students demonstrate their ability to choose, fit and interpret extended regression modeling techniques. They show a general understanding of the derived estimates and their interpretation in various contexts. The students are able to implement complex regression models using statistical software and to interpret the corresponding results. The exam covers contents of both the lecture and the exercise class.	

Admission requirements:	Recommended previous knowledge:
none	Lineare Modelle
Language:	**Person responsible for module:**
English	Prof. Dr. Thomas Kneib
Course frequency:	**Duration:**
every summer semester	1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**
twice	2
Maximum number of students:	
not limited	

Additional notes and regulations:

The actual examination will be published at the beginning of the semester.

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0002: Advanced Statistical Inference (Likelihood & Bayes)**	6 C 4 WLH

Learning outcome, core skills: The students • learn about the foundations and general properties of likelihood-based inference in statistics. • get familiar with the Bayesian approach to statistical learning and its properties. • learn how to implement both approaches in statistical software using appropriate numerical procedures.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Advanced Statistical Inference (Likelihood & Bayes) (Lecture)** *Contents*: The likelihood function and likelihood principles, maximum likelihood estimates and their properties, likelihood-based tests and confidence intervals (derived from Wald, score, and likelihood ratio statistics), expectation maximization algorithm, Bootstrap procedures (estimates for the standard deviation, the bias and confidence intervals), Bayes theorem, Bayes estimates, Bayesian credible intervals, prior choices, computational approaches for Bayesian inference.	2 WLH
2. Advanced Statistical Inference (Likelihood & Bayes) (Tutorial)	2 WLH

Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes) **Examination prerequisites:** Presentation (approx. 40 minutes) or Exercises (50% successful completion) **Examination requirements:** The students demonstrate their general understanding of likelihood-based and Bayesian inference for different types of applications and research questions. They know about the advantages and disadvantages as well as general properties of both approaches, can critically assess the appropriateness for specific problems, and can implement them in statistical software. The exam covers contents of both the lecture and the exercise class.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Thomas Kneib
Course frequency: every year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 2
Maximum number of students: not limited	

Additional notes and regulations:

The actual examination will be published at the beginning of the semester.

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0004: Econometrics I**	6 C 4 WLH

Learning outcome, core skills: This lecture provides a detailed introduction and discussion to the theory of several topics of econometrics. In a practical course the students will apply the methods discussed to real economic data and problems using the statistical software packages Eviews and R.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Econometrics I (Lecture)** *Contents*: Multiple linear regression model: Estimation, Inference and Asymptotics. Maximum likelihood modeling. Generalized least squares. Stochastic regressors. Intrumental variable estimators. Generalized method of moments, likelihood based inference. Dynamic models, weak exogeneity, cointegration, stochastic integration.	2 WLH
2. Econometrics I (Tutorial)	2 WLH
Examination: Written examination (90 minutes) **Examination requirements:** Linear regression models, generalized linear regression models. OLS, GLS, EGLS estimation. Multiplikative heteroskedasticity, autocorrelation. LM specification testing, Durbin Watson test. Convergence in probability, convergence in distribution. Asymptotics (consistency, asymptotic normality) of OLS estimators. IV estimation, GMM estimation.	6 C

Examination requirements: Linear regression models, generalized linear regression models. OLS, GLS, EGLS estimation. Multiplikative heteroskedasticity, autocorrelation. LM specification testing, Durbin Watson test. Convergence in probability, convergence in distribution. Asymptotics (consistency, asymptotic normality) of OLS estimators. IV estimation, GMM estimation.	

Admission requirements: None	**Recommended previous knowledge:** Notwendige: Mathematik (lineare Algebra), Statistik. Erwünscht: Einführung in die Ökonometrie (oder vergleichbare Vorlesung)
Language: English	**Person responsible for module:** Prof. Dr. Helmut Herwartz
Course frequency: every semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0005: Econometrics II**	6 C 4 WLH

Learning outcome, core skills: This advanced course extends techniques and theory introduced in the lecture Econometrics I. The use of econometrics in estimating models derived from theory is illustrated. The application of these methods on real data using the statistical software package Eviews as well as R is practiced in exercises.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Econometrics II (Lecture)** *Contents*: Models with binary explanatory variables, seemingly unrelated regressions. Multi-equation dynamic models, simultaneous equation models, vector autoregressions, (vector) error correction models, models with binary dependent variables.	2 WLH
2. Econometrics II (Tutorial)	2 WLH

Examination: Written examination (90 minutes) **Examination requirements:** Dynamic models. Stochastic trends. Unit roots. Spurious regressions. Stochastic integration. Cointegration modeling (ECM, testing for integration and cointegration, weak exogeneity, causality analysis). 2 and 3 SLS estimation. Higher dimensional modelling (joint endogeneity). Logit/Probit estimation.	6 C

Admission requirements: none	**Recommended previous knowledge:** Modul "Ökonometrie I"
Language: English	**Person responsible for module:** Prof. Dr. Helmut Herwartz
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0006: Seminar in Applied Statistics and Econometrics**	6 C 2 WLH

Learning outcome, core skills: The students - gain a better understanding of statistical and econometric models by studying current literature on both methodology and case studies. - learn how to present statistical methods and results to a mixed audience. - gain the ability to read and understand literature related to current advances in statistics and econometrics. - get an introduction to good scientific practice. - improve their presentation and English skills.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Seminar in Applied Statistics and Econometrics (Seminar) *Contents*: The seminar deals with different current topics in statistics and econometrics and may focus on case studies and/or methodological innovations.	2 WLH

Examination: Presentation (ca. 60 minutes) with written elaboration (max. 15 pages)	6 C

Examination requirements: The credits for the seminar are earned through a presentation in combination with a written homework on the same subject. The students demonstrate their ability to present statistical and econometric models and results and to document their findings in a corresponding report.	

Admission requirements: none	**Recommended previous knowledge:** Necessary: Mathematics, Statistics in addition: Introduction to econometrics or Econometrics I
Language: English	**Person responsible for module:** Prof. Dr. Thomas Kneib
Course frequency: every semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** from 2
Maximum number of students: not limited	

Georg-August-Universität Göttingen	6 C
Module M.WIWI-QMW.0007: Selected Topics in Statistics and Econometrics	4 WLH

Learning outcome, core skills:	Workload:
The students • learn about a specific current strand of statistical and/or econometric research. • learn how to implement these approaches in statistical software packages and how to interpret the corresponding results.	Attendance time: 56 h Self-study time: 124 h

Courses:	
1. Selected topics in Statistics and Econometrics (Lecture)	2 WLH
Contents: Current topics in statistics and/or econometrics.	
2. Selected topics in Statistics and Econometrics (Tutorial)	2 WLH

Examination: Written exam (90 minutes)	6 C

Examination requirements:	
The students demonstrate their general understanding of the topics dealt with in the lecture and the exercise class. They know how to interpret results from the corresponding models and how to implement these models in statistical software. The exam covers contents of both the lecture and the exercise class.	

Admission requirements: none	Recommended previous knowledge: Statistics
Language: English	**Person responsible for module:** Prof. Dr. Thomas Kneib
Course frequency: every 4. semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0009: Introduction to Time Series Analysis**	6 C 4 WLH

Learning outcome, core skills: The students • learn concepts and techniques related to the analysis of time series and forecasting. • gain a solid understanding of the stochastic mechanisms underlying time series data. • learn how to analyse time series using statistical software packages and how to interpret the results obtained.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Introduction to Time Series Analysis (Lecture)** *Contents*: Classical time series decomposition analysis (moving averages, transformations of time series, parametric trend estimates, seasonal and cyclic components), exponential smoothing, stochastic models for time series (multivariate normal distribution, autocovariance and autocorrelation function), stationarity, spectral analysis, general linear time series models and their properties, ARMA models, ARIMA models, ARCH and GARCH models.	2 WLH
2. Introduction to Time Series Analysis (Tutorial)	2 WLH

Examination: Written examination (90 minutes) **Examination requirements:** The students show their ability to analyse time series using specific statistical techniques, can derive and interpret properties of stochastic models for time series, and can decide on appropriate models for given time series data. The students are able to implement time series analyses using statistical software and to interpret the corresponding results. The exam covers contents of both the lecture and the exercise class.	6 C

Admission requirements: none	**Recommended previous knowledge:** Statistics
Language: English	**Person responsible for module:** Prof. Dr. Helmut Herwartz
Course frequency: every year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0010: Multivariate Statistics**	6 C 4 WLH

Learning outcome, core skills: The students: • learn the basic concepts of multivariate data analysis • know how to apply the most common methods of multivariate statistics in practice • learn how to implement multivariate statistical approaches using the software package R • know how to interpret the results of multivariate data analyse	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Multivariate Statistics** (Lecture)	2 WLH
Contents: Multivariate distributions and their properties, multivariate normal distribution, principal component analysis, factor analysis, discriminant analysis, cluster analysis	
2. Multivariate Statistics (Exercise)	2 WLH

Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes) **Examination prerequisites:** Presentation (approx. 40 minutes) or Exercises (50% successful completion)	6 C

Examination requirements: In the exam, the students demonstrate that they are able to apply the basic concepts of multivariate statistics. They can decide for a suitable procedure given an applied problem, implement the approach in statistical software and interpret the results. The exam consists of material from both the lecture and the exercise class.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Thomas Kneib
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0011: Statistical Programming with R**	6 C 4 WLH

Learning outcome, core skills: The students learn how to independently implement and optimize advanced statistical methodology with the statistical software package R	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Statistical Programming with R (Lecture with tutorial) *Contents*: The students work on advanced statistical programming projects using methods and techniques they got to know in the "Introduction to R". This involves implementation of advanced statistical methodology, utilising tools for debugging and profiling code and documenting the code. The progress of the projects is documented in a presentation and a written report.	4 WLH

Examination: Term paper (max. 15 pages) **Examination prerequisites:** Practical examination and presentation (approx. 15 minutes)	6 C

Examination requirements: The students work on a programming project and document their work in a written report and a presentation.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Thomas Kneib
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0012: Multivariate Time Series Analysis**	6 C 4 WLH

Learning outcome, core skills: The students • learn concepts and techniques related to the analysis of multivariate time series and the forecasting thereof. • learn to characterize the dynamic interrelationship between the variables of dynamic systems • learn to relate economic models with restrictions implied by its empirical counterpart • learn how to analyse multivariate time series using by means of statistical software packages and to interpret the results obtained.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Multivariate Time Series Analysis (Lecture)**	2 WLH
Contents: Vector Autoregressive and Vector Moving Average representations Model selection and estimation, Unit roots in vector processes, Vector autoregressive vs. vector error correction modeling, structural vectorautoregressions, Impulse response analysis, forecasting, forecast error variance decomposition	
2. Multivariate Time Series Analysis (Tutorial)	2 WLH

Examination: Written examination (90 minutes) **Examination requirements:** The students show their ability to analyse systems of time series using specific statistical techniques, can derive and interpret properties of stochastic models for time series, and can decide on appropriate models for given data. The students are able to implement time series analyses using statistical software and to interpret the corresponding results. The exam covers contents of both the lecture and the exercises.	6 C

Admission requirements: none	**Recommended previous knowledge:** Modul "Statistik", Modul "Econometrics I", Modul "Introduction to Time Series Analysis"
Language: English	**Person responsible for module:** Prof. Dr. Helmut Herwartz
Course frequency: every second semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0014: Mathematical Foundations of Applied Statistics**	6 C 4 WLH

Learning outcome, core skills: The students: • get to know the basic mathematical knowledge required for a thorough understanding of statistical methods • learn how to apply this mathematical knowledge on practical statistical problems.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Mathematical Foundations of Applied Statistics *Contents*: Integration and differentiation, matrix calculus (elementary operations, rank, inverse, determinant, trace, eigen values and vectors, quadratic forms, differentiation of matrix functions), probability calculus (univariate distributions and their properties, random vectors and their properties, conditional distributions, multivariate normal distribution)	

Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes) **Examination prerequisites:** Presentation (approx. 40 minutes) or Exercises (50% successful completion)	6 C

Examination requirements: The students demonstrate their ability to use the most common mathematical tools in applied statistics to solve mathematical problems. They know different such approaches and can decide upon an appropriate one for a given problem.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Heike Bickeböller Prof. Dr. Tim Friede, Prof. Dr. Thomas Kneib
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1

Additional notes and regulations: The actual examination will be published at the beginning of the semester.

Georg-August-Universität Göttingen	6 C
Module M.WIWI-QMW.0016: Spatial Statistics	4 WLH

Learning outcome, core skills:	**Workload:**
The students • learn about the principle possibilities to include spatial information in statistical models. • acquire experience in the practical analysis of spatial data • learn how to interpret the results of spatial analyses	Attendance time: 56 h Self-study time: 124 h

Courses:	
1. Spatial Statistics (Lecture)	2 WLH
Contents: Statistical analysis of spatially oriented data, spatial models for point-referenced data (geostatistics, kriging), spatial models for regional data (Markov randomfields), spatial point processes, spatial stochastic processes, statistical inference in spatial statistics.	
2. Spatial Statistics (Tutorial)	2 WLH
Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes) **Examination prerequisites:** Presentation (approx. 40 minutes) or Exercises (50% successful completion) **Examination requirements:** The students show in the exam that they have learned to perform the basic steps and calculartions involved in analyses of spatial data. They can choose the most appropriate model for a given problem and can implement this model in statistical software. In addition. The resulting estimates can be interpreted and the results can be critically evaluated. The exam covers contents of both the lecture and the exercise class.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Thomas Kneib
Course frequency: every year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: not limited	

Additional notes and regulations:
The actual examination will be published at the beginning of the semester.

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0019: Statistical Methods for Impact Evaluation**	6 C 4 WLH

Learning outcome, core skills: There are many questions in social science that depend on causal effects of social policies or programs. This course attempts to present a review of the practical issues for empirical researchers on the econometric and statistical analysis of the effects of such programs or treatments.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Statistical Methods for Impact Evaluation *Contents*: • New Methods in Program Evaluation: • Difference-in-difference • Matching techniques • Instrumental variables • Regression discontinuity design • Combined methods The computer software package STATA will be used for practical work. Previous knowledge of intermediate econometrics is required.	4 WLH

Examination: Presentation (approx. 20 min.) with written elaboration (max. 15 pages text) **Examination requirements:** New Methods in Program Evaluation: • Difference-in-difference • Matching techniques • Instrumental variables • Regression discontinuity design • Combined methods	6 C

Admission requirements: none	**Recommended previous knowledge:** Modul "Econometrics I"
Language: English	**Person responsible for module:** Prof. Dr. Inmaculada Martinez-Zarzoso
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0020: Practical Statistical Training**	6 C 2 WLH

Learning outcome, core skills: The students: • learn how to implement statistical procedures for a given applied problem in a collaboration • learn how to present results from a statistical analysis • can identify a suitable statistical approach for a given problem, apply it and interpret the results.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Statistical Consulting *Contents*: In collaboration with a collaboration partner providing the applied research question, the students develop statistical solutions in groups of up to four students.	2 WLH

Examination: Term Paper (max. 20 pages) **Examination prerequisites:** Two presentations	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Thomas Kneib Prof. Dr. Heike Bickeböller, Prof. Dr. Tim Friede
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0021: Introduction to R**	3 C 2 WLH

Learning outcome, core skills: The students: - get to know the basic functionality of the statistical software package R - can implement advanced statistical approaches in R while using approproate tools for optimising the code	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Introduction to R (Lecture with tutorial) *Contents*: Data types and class structures, vectors and matrives, reading and writing data, statistical graphics, creating R packages, including other programming languages, debugging and profiling code, S3 and S4 classes, Trellis graphics and other advanced graphics features	2 WLH
Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes) **Examination prerequisites:** Presentation (approx. 40 minutes) or Exercises (50% successful completion) **Examination requirements:** The students work on a programming project and document their work in a written report.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Thomas Kneib
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1
Maximum number of students: 30	

Additional notes and regulations: The actual examination will be published at the beginning of the semester.

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0024: Financial Liberalization, Financial Development and Economic Growth**	6 C 2 WLH

Learning outcome, core skills: Students acquire knowledge on the state of the art research on the relationship between financial liberalization, financial development and economic growth. They also learn how to formulate their research question and how to develop their arguments based on a critical review of the related literature. Furthermore, they improve their academic writing and presentation skills.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Financial Liberalization, Financial Development and Economic Growth (Seminar) *Contents*: The seminar covers topics on the role of financial liberalization and financial development in economic growth. It also covers topics on the relationship between financial liberalization and financial development.	2 WLH

Examination: Presentation (approx. 20 minutes) with written elaboration (max. 15 pages)	6 C

Examination requirements: In the paper, students should demonstrate their ability to critically review scientific papers, synthesize the results and develop a clear argument supported by the evidence in the literature. They should also demonstrate their ability to write a scientific paper. In the presentation, they should demonstrate their ability to present key insights from complex theoretical and empirical papers, and to present and defend an argument on the research question developed from the literature.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Dr. Yabibal Walle
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0025: Development Microeconometrics**	6 C 4 WLH

Learning outcome, core skills: The aim of this course is to familiarize students with contemporary microeconometric tools widely applied in development economics. This course will briefly explain selected micro-level empirical questions in development economics and discuss in detail the econometric methods that could be applied to examine those issues. However, no effort will be devoted to prove econometric theories. There will also be computer lab sessions where we will be mainly using Stata. Successful participants of this course are expected to be familiar with important microeconometric tools in development economics.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Development Microeconometrics** (Lecture) *Contents*: 1. Pure cross sectional regressions: basic concepts and tests 2. Instrumental variables estimation and two stage least squares 3. Panel data approaches: fixed effects estimator and random effects estimator, dynamic panel data estimators 4. Models with limited dependent variables: Logit, Probit, Multinomial logit, Count data models, Ordered logit, Tobit model, Heckman's sample selection model, estimating treatment effects	2 WLH
2. Computer excercises with STATA (Exercise)	2 WLH

Examination: Written examination (90 minutes) or oral examination (20 minutes)	6 C

Examination requirements: In the exam, participants are expected to show their familiarity with and understanding of main microeconometric tools used in development economic.	

Admission requirements: none	**Recommended previous knowledge:** Introduction to econometrics
Language: English	**Person responsible for module:** Prof. Dr. Helmut Herwartz
Course frequency: each second wintersemester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0026: Development Macroeconometrics**	6 C 4 WLH

Learning outcome, core skills: The aim of this course is to familiarize students with contemporary econometric tools widely applied in the research on growth and inequality. This course will briefly explain selected empirical questions in growth and inequality and discuss in detail the econometric methods used to tackle those issues. However, no effort will be devoted to prove either economic or econometric theories. On each topic, selected empirical applications will be presented both in the lecture and in computer lab sessions where we will be mainly using STATA. Successful participants of this course are expected to be familiar with important macroeconometric tools in development economics.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses:
1. Development Macroeconometrics (Lecture)
Contents:
1.   Introduction to growth theory
 	
2.   Econometrics of growth
 	
  (a)   Pure cross sectional regressions,
 	
  (b)   Panel data approaches: pooled OLS, fixed effects estimator and random effects estimator, GMM estimators, mean-group and panel mean group estimators
 	
  (c)   Time series approaches: (unit root tests, cointegration tests, estimation of the long run parameters, vector error correction model, Granger causality
 	
  (d)   Panel generalizations of time series approaches: panel unit root and cointegration tests
 	
3.   Econometrics of inequality
 	
  (a)   Macro-level approaches: model specifications of selected papers
	2 WLH

2. Computer excercises with STATA (Exercise)	2 WLH

Examination: Written examination (90 minutes) or oral examination (20 minutes)	6 C

Examination requirements: In the exam, participants are expected to show their familiarity with and understanding of main macroeconometric tools used in the research on growth and inequality.	

Admission requirements: none	**Recommended previous knowledge:** Introduction to econometrics
Language: English	**Person responsible for module:** Prof. Dr. Helmut Herwartz
Course frequency: each second wintersemester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4

Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0027: Advanced Meta-Research in Economics**	6 C 4 WLH

Learning outcome, core skills: The students learn to critically reflect the reliability of empirical research in economics. They learn to make themselves familiar with the methodology used in a recent study and to replicate this study. They also learn to identify the key assumptions of the estimation procedure by performing a sensitivity analysis.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Advanced Meta-Research in Economics** (Lecture)	2 WLH
Contents: This module discusses the incentive system of academic publishing and its consequences for the reliability of empirical research in economics. We show how *p*-hacking and publication bias distort published empirical findings and we illustrate the state of empirical economic research by discussing recent articles from the field of meta-research in economics. We introduce meta-analytic concepts such as the *p*-curve and meta-regression models that attempt to identify genuine effects in the presence of bias. Finally, we discuss the important role of replications in improving the reliability of empirical research in economics.	
2. Advanced Meta-Research in Economics (Exercise)	2 WLH

Examination: Practical examination with written elaboration (max. 15 pages)	

Examination requirements: Each student chooses a recent study and replicates its findings by using the statistical software R. Each student also conducts a sensitivity analysis of the results by using, for example, alternative specifications or data (max. 15 pages). The students show that they can replicate the findings of a recent study and that they can perform a sensitivity analysis.	

Admission requirements: none	**Recommended previous knowledge:** Good knowledge of applied econometrics
Language: English	**Person responsible for module:** Prof. Dr. Helmut Herwartz Dr. Stephan Bruns
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0028: Topics in Descriptive Statistics**	12 C 2 WLH

Learning outcome, core skills: The students: • know the state of the art as well as future challenges regarding a current research theme in descriptive statistics • have profound knowledge within the research field they worked upon • know and understand methods and approaches in order to elaborate on • statistical research in a scientific manner • can elaborate research questions systematically by means of scientific methods	**Workload:** Attendance time: 28 h Self-study time: 332 h

Course: **Topics in empirical Analysis** (Seminar)	2 WLH

Examination: Presentation ca. 30 minutes) with written elaboration (max. 8000 words) **Examination prerequisites:** Regular attendance; participation on possibly excursions	

Examination requirements: • Scientific and solution-oriented elaboration of current topics in descriptive statistics • Writing a seminar paper • Oral presentation of the seminar paper's findings • Collaboration with other students in teams	

Admission requirements: none	**Recommended previous knowledge:** Good knowledge of "R"
Language: English	**Person responsible for module:** Prof. Dr. Thomas Kneib
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-QMW.0029: Seminar in Operations Research**	6 C 2 WLH

Learning outcome, core skills: The aim of this course is to familiarize students with the basic concepts and understanding about empirical research in business and economics. In this seminar students learn how to choose a paper, and replicate its results using a different dataset.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: An Introduction to Empirical Research in Business and Economics (Seminar) *Contents*: 1. Where to start 2. The Basics 3. Choosing a Paper 4. Choosing the Data 5. Replication	2 WLH

Examination: Presentation (ca. 30 minutes)	

Examination requirements: In order to accomplish successfully this course, students are expected to: • Understand the assigned paper • Find a dataset that matches their model • Replicate the paper • Interpret the results	

Admission requirements: none	**Recommended previous knowledge:** Good knowledge of "R"
Language: English	**Person responsible for module:** Prof. Dr. Thomas Kneib
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0008: Development Economics I: Macro Issues in Economic Development**	6 C 4 WLH

Learning outcome, core skills: Expose students to macroeconomic issues in economic development, including how economic growth, trade, inequality, aid, capital flows, and population issues affect economic development. They understand historical roots of underdevelopment and acquire knowledge of current economic models and empirical approaches in these topic areas.	**Workload:** Attendance time: 42 h Self-study time: 138 h

Courses:	
1. Development Economics I (Lecture)	2 WLH
2. Development Economics I (Tutorial)	2 WLH
Examination: Written Exam	6 C

Examination requirements: The students demonstrate a good understanding of key theories and models of economic development. They are able to critically present these theories and models, are able to interpret empirical results that relate to these models, and are able to crucially draw relevant policy conclusions coming out of these models and empirical assessments.	

Admission requirements: None	**Recommended previous knowledge:** Knowledge of macroeconomics and econometrics at BA level is highly desirable.
Language: English	**Person responsible for module:** Prof. Stephan Klasen
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0009: Development Economics II: Micro Issues in Development Economics**	6 C 4 WLH

Learning outcome, core skills: Expose students to microeconomic issues in economic development, including the role of poverty, measurement, and linkages between fertility, undernutrition, and poorly functioning labor, capital, and land markets and poverty in rural areas. It should also equip students to develop and assess policy options for poverty reduction.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Development Economics II (Lecture)**	2 WLH
2. Development Economics II (Tutorial)	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: The students demonstrate a good understanding of key micro theories and models of poverty in developing countries. They are able to critically present these theories and models, are able to interpret empirical results that relate to these models, and are able to crucially draw relevant policy conclusions coming out of these models and empirical assessments.	

Admission requirements: none	**Recommended previous knowledge:** Knowledge of microeconomics and econometrics at BA level is highly desirable. Development Economics I is not a prerequisite.
Language: English	**Person responsible for module:** Prof. Stephan Klasen
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0010: Development Economics III: Regional Perspectives in Development Economics**	6 C 3 WLH

Learning outcome, core skills:	Workload:
Allow students to apply theoretical and empirical concepts in development economics to understand differences in regional economic development. Familiarize students with differences of the development experience East Asia, South Asia, Latin America, and Sub Saharan Africa, including the most important determinants of these differences.	Attendance time: 56 h Self-study time: 124 h

Courses:	
1. Development Economics III (Lecture)	2 WLH
2. Development Economics III (Tutorial)	1 WLH

Examination: Written examination (90 minutes)	3 C

Examination: Term Paper (max. 10 pages)	3 C

Examination requirements: In the term paper, students demonstrate their ability to develop a coherent argument on a particular regional or comparative issue in economic development. In the exam, students demonstrate their ability to apply their knowledge of development economics theory and empirical assessments to interpret and explain key issues affecting regional economic development.	

Admission requirements: none	Recommended previous knowledge: Knowledge of macroeconomics and econometrics at BA level is highly desirable. Knowledge of development economics (at least at BA level, but preferably at MA level) also recommended (e.g. taking Development Economics I or II concurrently)
Language: English	**Person responsible for module:** Prof. Stephan Klasen
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0018: Economic Development of Africa**	6 C 3 WLH

Learning outcome, core skills: Allow students to apply theoretical and empirical concepts in development economics to understand historical and current-day economic development issues in Africa, including policy initiatives to tackle economic development in the continent.	**Workload:** Attendance time: 42 h Self-study time: 138 h

Courses:	
1. Economic Development of Africa (Lecture)	2 WLH
2. Economic Development of Africa (Tutorial)	1 WLH

Examination: Written examination (90 minutes)	3 C

Examination: Term Paper (max. 10 pages)	3 C

Examination requirements: In the term paper, students demonstrate their ability to develop a coherent argument on a particular issue in African economic development. In the exam, students demonstrate their ability to apply their knowledge of development economics theory and empirical assessments to interpret and explain key issues affecting African economic development.	

Admission requirements: none	**Recommended previous knowledge:** Knowledge of macroeconomics and econometrics at BA level is highly desirable. Knowledge of development economics (at least at BA level, but preferably at MA level) also recommended (e.g. taking Development Economics I or II concurrently)
Language: English	**Person responsible for module:** Prof. Stephan Klasen
Course frequency: every 4. semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0019: Advanced Development Economics**	6 C 4 WLH

Learning outcome, core skills: Allow students to acquaint themselves with cutting edge research in development economics. The topics covered will vary from time to time, always focusing on new and emerging issues in development economics research.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses:	
1. Advanced Development Economics (Lecture)	2 WLH
2. Advanced Development Economics (Tutorial)	2 WLH
Examination: Written examination (90 minutes)	6 C

Examination requirements: In the exam, students demonstrate their ability to interpret cutting edge research in development economics, including critically evaluating models, theories, and econometric techniques.	

Admission requirements: none	**Recommended previous knowledge:** Development Economics I+II or equivalent. Knowledge of MA level econometrics plus good knowledge of MA level development economics highly desirable.
Language: English	**Person responsible for module:** Prof. Stephan Klasen Prof. Ibanez Diaz, N.N.
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0021: Gender and Development**	6 C 3 WLH

Learning outcome, core skills: Allow students to understand key theoretical and empirical approaches to understanding gender inequality in developing countries, including gender gaps in education, health and mortality, employment, time-use, and governance. Familiarize students with different approaches to conceptualize and measure gender gaps and enable them to analyze policies to tackle gender inequality.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Courses:	
1. Gender and Development (Lecture)	2 WLH
2. Gender and Development (Tutorial)	1 WLH

Examination: Written examination (90 minutes)	3 C

Examination: Term Paper (max. 10 pages)	3 C

Examination requirements: In the term paper, students demonstrate their ability to develop a coherent argument on a particular issue of gender inequality in developing countries. In the exam, students demonstrate their ability to understand theory and empirical assessments of gender inequality, including measurement, and policy issues.	

Admission requirements: none	**Recommended previous knowledge:** Knowledge of development economics (at least at BA level, but preferably at MA level) also recommended (e.g. taking Development Economics I or II concurrently)
Language: English	**Person responsible for module:** Prof. Stephan Klasen
Course frequency: every 4. semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0022: Analysis of Micro Data**	6 C 4 WLH

Learning outcome, core skills: Allow students to acquaint themselves with cutting edge methods in the analysis of micro data, with particular emphasis on analyzing microeconometric issues in developing countries.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses:	
1. Analysis of Micro Data (Lecture)	2 WLH
2. Analysis of Micro Data (Tutorial)	2 WLH

Examination: Written examination (90 minutes)	3 C

Examination: Term Paper (max. 10 pages)	3 C

Examination requirements: In the exam, students demonstrate their ability to interpret cutting edge research in the analysis of household surveys, including the ability to formulate an econometric research strategy to analyze a particular research question, and evaluating econometric studies from both a methodological and substantive perspective.	

Admission requirements: none	**Recommended previous knowledge:** Knowledge of MA level econometrics highly desirable.
Language: English	**Person responsible for module:** Prof. Stephan Klasen
Course frequency: every 4. semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0023: Seminar to the Situation of Latin America in the 21st Century: Trade Related and Macroeconomic Issues**	6 C 2 WLH

Learning outcome, core skills: • Students learn how to formulate research questions • Students have a close look at theoretical studies/arguments in related field • Students familiarize with the empirical literature in related field • Students utilize the empirical methodology to evaluate the results obtained in the empirical literature • Students give reasons why theory and empirics are compatible or not • Students draw economic policy conclusions from empirical results	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Seminar to the situation of Latin America in the 21st century: Trade related and macroeconomic issues (Seminar) *Contents*: In this course international trade issues ,such as • international competitiveness (exchange rate policy and transport costs); • determinants of current account deficits • choice of exchange rate system • economic integration (North-South; South-South); • analysis of trade agreements • the role of trade liberalization (unilateral, bilateral, at the WTO level) will be dealt with.	2 WLH

Examination: Presentation (approx. 20 min) with written elaboration (max. 15 pages text) **Examination prerequisites:** Regular active attendance.	6 C

Examination requirements: Knowledge of macroeconomics and international trade themes to Latin America.	

Admission requirements: none	**Recommended previous knowledge:** Knowledge of open economy macroeconomics; of international trade; of some basic econometrics
Language: English	**Person responsible for module:** Dr. rer. pol. Felicitas Nowak-Lehmann Danzinger
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 24	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0024: Seminar to the situation of Latin America in the 21st century: The necessity of reforms**	6 C 2 WLH

Learning outcome, core skills:	**Workload:**
• Students learn how to formulate research questions • Students have a close look at theoretical studies/arguments in related field • Students familiarize with the empirical literature in related field • Students utilize the empirical methodology to evaluate the results obtained in the empirical literature • Students give reasons why theory and empirics are compatible or not • Students draw economic policy conclusions from empirical results	Attendance time: 28 h Self-study time: 152 h

Course: Seminar to the situation of Latin America in the 21st century: The necessity of reforms (Seminar) *Contents*: In this course structural problems and issues ,such as • over-indebtedness • sustainability of current account deficits • structural adjustment programs • effectiveness of development aid • global developments and its impact on Latin American economies will be dealt with.	2 WLH

Examination: Presentation (approx. 20 min) with written elaboration (max. 15 pages text) **Examination prerequisites:** Regular active attendance.	6 C

Examination requirements: Knowledge of actual socio-economic themes to Latin America	

Admission requirements: none	**Recommended previous knowledge:** Knowledge of open economy macroeconomics; of basic international trade; of some basic econometrics
Language: English	**Person responsible for module:** Dr. rer. pol. Felicitas Nowak-Lehmann Danzinger
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 24	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0025: Seminar Development Economics IV**	6 C 2 WLH

Learning outcome, core skills: Students learn how to work through cutting edge research on a particular issue in development economics, develop a coherent argument addressing their research question, improve their academic writing, and learn how to present such work in front of an academic audience.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Seminar Development Economics IV (Seminar)	2 WLH

Examination: Presentation (approx. 30 minutes) with written elaboration (max. 15 pages)	6 C

Examination requirements: In the paper, students demonstrate their ability to critically review academic studies on a particular topic, able to synthesize the results and develop a clear argument backed by the evidence in the literature. They also demonstrate their ability to research the scientific literature, and write a scientific paper. In the presentation, they demonstrate their ability to present key insights from complex theoretical and empirical papers, and to present and defend an argument on the research question developed from the literature.	

Admission requirements: none	**Recommended previous knowledge:** Keine
Language: English	**Person responsible for module:** Prof. Stephan Klasen
Course frequency: every 4. semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0035: Economic Effects of Regional Integration**	6 C 2 WLH

Learning outcome, core skills: Students should learn how to formulate research questions. They are expected to provide a critical assessment of the theoretical studies/arguments in the related field and to review the related empirical literature. Students should also learn how to apply the empirical methodology to evaluate the results obtained in the empirical literature, provide some reasons why theory is confirmed or not with empirics and draw economic policy conclusions from empirical results.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Economic Effects of Regional Integration (Seminar) *Contents*: • Regionalism versus Multilateralism in the World Economy • European Integration: EU, MU, East Enlargement • Latin American Integration • Asian Regionalism • African Integration	

Examination: Presentation (ca. 20 min.) with written elaboration (max. 15 pages text) **Examination prerequisites:** Regular active attendance.	6 C

Admission requirements: none	**Recommended previous knowledge:** International Economics Introductory econometrics
Language: English	**Person responsible for module:** Prof. Dr. Inmaculada Martinez-Zarzoso
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 18	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0040: Empirical Trade Issues**	6 C 4 WLH

Learning outcome, core skills: This course is intended to cast light on present-day controversies in international trade through study of contemporary trade theories and assessment of the latest empirical analysis of five important topics of international trade research. The main aim is to improve students' ability to evaluate and to undertake empirical research in international trade. All readers are expected to have completed graduate courses in microeconomics and econometrics.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Empirical Trade Issues (Lecture)** *Contents*: The course is organized along five empirical questions:	2 WLH

1. What do countries trade?
2. Why has trade increased so much?
3. Why do we still trade so little?
4. Did globalization contribute to the rise in inequality?
5. Does trade increase productivity?

We will learn the necessary modeling tools and empirical instruments that help answer these questions.

The course will be structured around a series of lectures (2SWS), supplemented by class discussion, and tutorials (2SWS) in which students will solve empirical exercises using STATA (based on Feenstra, 2004 and on De Benedictic and Salvatici, 2011) that replicate the results on some research papers.

2. Empirical Trade Issues (Tutorial)	2 WLH

Examination: Term Paper (max. 10 pages, based on the tutorial)	

Examination: Written examination (120 minutes)	

Examination requirements: Trade theory, empiric results of the main questions to international trade and the actual scientific debate	

Admission requirements: none	**Recommended previous knowledge:** Macroeconomics, Microeconomics, Econometrics I, International Economics
Language: English	**Person responsible for module:** Prof. Dr. Inmaculada Martinez-Zarzoso
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**

twice	2 - 4
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0041: Panel Data Econometrics**	6 C 4 WLH

Learning outcome, core skills:	Workload:
Static and dynamic panel data models for continuous and discrete dependent variables. Empirical evaluation of economic models is an important feature of the study and application of economics. The course is concerned with the *application* of econometric methods, with little emphasis on the mathematical aspects of the subject (which may be studied in other modules). The computer software package STATA will be used for practical work. Previous knowledge of intermediate econometrics is required. This course aims to study panel data econometric techniques in an intuitive and practical way and to provide the skills and understanding to read and evaluate empirical literature and to carry out empirical research.	Attendance time: 56 h Self-study time: 124 h

Courses:	
1. Panel Data Econometrics (Lecture)	2 WLH
2. Panel Data Econometrics (Tutorial)	2 WLH

Examination: Term Paper (max. 10 pages, based on the tutorial)	

Examination: Written examination (120 minutes)	

Examination requirements:	
Static panel data models; Fixed effects; random effects; Between estimation; Dynamic panel data models; Arellano-Bond estimator; Pooled mean group estimation; discrete choice Stata	

Admission requirements: none	Recommended previous knowledge: Econometrics I
Language: English	**Person responsible for module:** Prof. Dr. Inmaculada Martinez-Zarzoso
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0042: European Economy**	6 C 4 WLH

Learning outcome, core skills: The key learning objectives are:	**Workload:** Attendance time: 28 h Self-study time: 152 h

Learning outcome, core skills:

The key learning objectives are:

- Students should understand the extent of economic integration in the EU and the basics of EU law and its basic institutional structure and economic facts about European nations. Students should also learn the broad outline of the EU budget on the receipts and expenditure side and the basic content and the structure and problems with the Constitutional Treaty and the subsequent Treaty of reform.

- Acquire knowledge of the standard open-economic supply and demand diagrams and how they can be used to analyze the positive and normative impact of tariffs. Students should also learn about the various types of trade barriers that can constrain trade.

- Learn to apply open-economy supply and demand analysis to a three country setting with the aim of illustrating the main positive and normative effects of preferential liberalization on aspects of European integration. Students should also learn about the differences between customs unions and free trade areas and about WTO disciplines and about the nature of empirical studies into the effects of EU market integration.

- Learn the economics behind the notion that integrating European markets can improve economic efficiency by giving European firms better access to a wider market. As part of this, students learn about market interactions in the presence of imperfect competition and increasing returns.

- Learn the economic logic that explains how integrating European markets can increase income growth rates in the medium term and in the long term and the specific features of Europe's labour markets and key labour economics principles. Students should also learn about the sources of unemployment and the microeconomics of labour market integration and the conflict between efficiency and social imperatives, as well as understand the impact of economic integration and migration on labour markets.

- Learn about the CAP, which is by far the most important policy in terms of the budget and it is one of the most important in terms of EU politics. Students should also learn about recent reforms to the CAP based on de-coupling.

- Learn about the very uneven distribution of economic activity in Europe and about the economics that helps account for this result as well as using the suitable framework for understanding how deeper integration affects the distribution. Also learn about EU regional policy, essentially designed to prevent geographic concentration or to ameliorate its effects on people living in rural areas.

- Acquire Knowledge of the basic facts of the EU's trade pattern both in terms of partners and commodity composition and become familiar with the basic institutions of EU trade policy making and acquire a basic understanding of the EU's external trade policy

Courses:	

1. European Economy (Lecture)	2 WLH
Contents:	
The aim of this course is to cover some economic aspects of the European integration process, focusing on the European Union internally and on its relations with partners, including prospective members. Customs union theory, microeconomic policies and regional economics will be covered. Students will be expected to understand the basic economics of integration, as well as knowing how to track down up-to-date policy materials on the web. A key starting point is the official site:http://www.europa.eu.int. The course is organized as a series of lectures complemented with tutorials and student presentations of selected topics. Students are expected to prepare a short essay (10 pages) that has to be presented and discussed towards the end of the course. A list of topics will be available online (studip).	
2. European Economy (Tutorial)	2 WLH

Examination: Written examination (90 minutes)	

Examination: Presentation (approx. 15 minutes) with witten elaboration (max. 10 pages text)	

Examination requirements: Integration theory; Customs union theory; European economic integration; Economic relations to potential members; Actual effects of integration - empiric results of the effects	

Admission requirements: none	**Recommended previous knowledge:** Microeconomics, Macroeconomics
Language: English	**Person responsible for module:** Prof. Dr. Inmaculada Martinez-Zarzoso
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0046: Topics in European and Global Trade**	6 C 2 WLH
Learning outcome, core skills: Students should learn how to formulate research questions. They are expected to provide a critical assessment of the theoretical studies/arguments in the related field and to review the related empirical literature. Students should also learn how to apply the empirical methodology to evaluate the results obtained in the empirical literature, provide some reasons why theory is confirmed or not with empirics and draw economic policy conclusions from empirical results.	**Workload:** Attendance time: 28 h Self-study time: 152 h

| **Course: Seminar Topics in European and Global Trade** (Seminar)
Contents:
Topic 1: Institutional Quality, Trade and Growth

Topic 2: Aid for Trade

Topic 3: Trade Facilitation

Topic 4: Trade Agreements

Topic 5: Trade and the Environment

Topic 6: Technology and Trade

Topic 7: Gender Inequality and Trade

Topic 8: Trade, income per Capita and Inequality

Topic 9: Trade and Transport Costs

Topic 10: Trade and logistics

Topic 11: Exchange Rate Volatility and Trade

Topic 12: Financial Integration and Trade

Topic 13: Trade and Conflicts

Topic 14: The Extensive and the Intensive Margins of Trade

Topic 15: Product Quality

Topic 16: Multilateral Resistance and the Border Puzzle

Topic 17: Geographical Frictions

Topic 18: Trade and International Production Networks

Topic 19: The Euro Effect

Topic 20: Trade and Uncertainty | 2 WLH |

| **Examination: Presentation (approx. 20 min) with written elaboration (max. 15 pages text)**
Examination prerequisites:
Regular active attendance. | |

Examination requirements:	
International Trade	

Admission requirements:	Recommended previous knowledge:
none	International Economics
	Introductory econometrics
Language:	**Person responsible for module:**
English	Prof. Dr. Inmaculada Martinez-Zarzoso
Course frequency:	**Duration:**
every summer semester	1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**
twice	2 - 4
Maximum number of students:	
20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0059: Methods of Economic Policy Evaluation**	6 C 3 WLH

Learning outcome, core skills: This course covers a wide range of policy impact evaluation tools: From experimental and quasi-experimental microeconometric methods to macroeconomic simulation models. The methods will be illustrated using case studies. The focus of the lecture will be on applications in the developing country context. The methods, however, are universal and can be applied as well in the context of OECD-countries. Please note that this lecture is held in German. Details and lecture materials can be found in StudIP. Some illustrative questions that can be answered using the methods that will be discussed in the lecture: • Do poor people really benefit from microcredtit programs? • What is the poverty impact of trade liberalisation? • Which are the distributional consequences of tax reforms?	**Workload:** Attendance time: 42 h Self-study time: 138 h

Courses: **1. Methods of economic policy evaluation (Lecture)**	2 WLH
2. Methods of economic policy evaluation (Tutorial)	1 WLH

Examination: Oral Presentation (approx. 30 minutes)	1 C

Examination: Written examination (90 minutes)	5 C

Examination requirements: Nachweis vertiefter Kenntnisse der Methoden zur Analyse wirtschaftspolitischer Maßnahmen und zur Datenerhebung. Nachweis des Verständnisses für experimentelle und quasi-experimentelle Methoden sowie von mikro- und makroökonomischen Simulationsmodellen.	

Admission requirements: none	**Recommended previous knowledge:** Lectures in Microeconomics, Development Economics and Econometrics
Language: English	**Person responsible for module:** Jun.-Prof. Dr. Jann Lay
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0063: Sustainable Development, Trade and the Environment**	6 C 2 WLH

Learning outcome, core skills: • Linking sustainable development with trade. • Writing a scientific paper about the linkages between international trade, environment and development. • Reading and understanding state of the art literature in the field. • Discussing and scrutinizing methodology and results. • Presenting the own work in a scientific manner.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Sustainable Development, Trade and the Environment (Seminar)	2 WLH

Examination: Presentation (approx. 30 minutes) with written elaboration (max. 20 pages) **Examination prerequisites:** Regular active attendance.	6 C

Examination requirements: Knowledge about the scientific themes.	

Admission requirements: none	**Recommended previous knowledge:** International Trade
Language: English	**Person responsible for module:** Prof. Dr. Inmaculada Martinez-Zarzoso
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0065: Economics of Crime**	6 C 2 WLH

Learning outcome, core skills: 1. Provide the theoretical and empirical framework that allows students to improve the understanding on the drivers of criminal participation and policies to deal with it. 2. Provide elements that allow students expand the traditional economic tool-bock to consider non-monetary factors that affect human behavior.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Economics of Crime (Lecture) This course presents a behavioral perspective to the economic model of crime. We discuss how different disciplines have understood criminal participation and consider how to model empirically the decision to engage into crime.	2 WLH

Examination: Written examination (90 minutes)	

Examination requirements: According to material in the course. Students should be able to derive the economic model of crime, introduce modification to it and make predictions on how this affects behaviour. Students should be able to understand the empirical limitations and problems on the empirical estimation of the model of crime and be able to discuss how limitations could be addressed.	

Admission requirements: none	**Recommended previous knowledge:** Microeonomics, Macroeconomics, Statistics, Econometrics
Language: English	**Person responsible for module:** Prof. Marcela Ibanez Diaz
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0083: Economic Reform and Social Justice in India**	6 C 4 WLH

Learning outcome, core skills: This module deals with the economic transformation of India since 1991. The students • get to know the main features characteristic of the economic re-structuring of India during the past two decades • are familarised with the phenomenon of economic growth on the one hand and malnutrition and illiteracy on the other occurring simultaneously • acquire knowledge about the central public debates concerning social injustice and the possibility of government interventions.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses:	
1. Economic Reform and Social Justice in India (Lecture)	2 WLH
2. Exercise course	2 WLH

Examination: Presentation (approx. 60 min) with written elaboration (max. 20 pages text)	6 C

Examination requirements: Ability • to demonstrate knowledge of the main features characteristic of the economic re-structuring of India during the past two deacdes; • to deal with the phenomenon of economic growth on the one hand and malnutrition and illiteracy on the other occurring simultaneously; • to describe the central public debates concerning social injustice and the possibility of government interventions.	

Admission requirements: none	Recommended previous knowledge: none
Language: English	**Person responsible for module:** Prof. Dr. Sebastian Vollmer
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0085: Advanced Microeconomics**	6 C 4 WLH

Learning outcome, core skills: This course presents a formal treatment microeconomic theory. Students learn how to formalize decision making by individual agents and strategic interaction. The course aims at provide students with the skills required to understand and develop new economic models.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses:
 	
1. Advanced Microeconomics (Lecture)
Contents:
  • Consumer and production theory
  • General equilibrium
  • Decision under risk and uncertainty
  • Game theory
	2 WLH

2. Advanced Microeconomics (Tutorial)	2 WLH

Examination: Written examination (120 minutes)	3 C

Examination requirements: Demonstrate the understanding of the main concepts and techniques developed in lectures. Ability to solve analytical exercises.	

Admission requirements: none	**Recommended previous knowledge:** BA level microeconomics and mathematics
Language: English	**Person responsible for module:** Prof. Marcela Ibanez Diaz
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 2
Maximum number of students: not limited	

Additional notes and regulations: The courses "M.WIWI-VWL.0001: Fortgeschrittene Mikroökonomik" and "M.WIWI-VWL.0085: Advanced Microeconomics" are equal. Students can conclude only one of these courses.

Georg-August-Universität Göttingen	6 C
Module M.WIWI-VWL.0086: Macroeconomics of Open Economies	4 WLH

Learning outcome, core skills:	**Workload:**
Understanding of macroeconomic issues in open economies	Attendance time: 56 h Self-study time: 124 h

Courses:	
1. Macroeconomics of Open Economies (Lecture)	2 WLH
2. Macroeconomics of Open Economies (Tutorial)	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements:	
Knowledge of open economy macro issues including the determinants growth, inflation, business cycles and capital flows	

Admission requirements: none	**Recommended previous knowledge:** BA level macroeconomics and econometrics
Language: English	**Person responsible for module:** Prof. Dr. Holger Strulik Dr. Timo Trimborn
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: not limited	

Additional notes and regulations:
The courses "M.WIWI-VWL.0002: Makroökonomik offener Volkswirtschaften" and "M.WIWI-VWL.0086: Macroeconomics of Open Economies" are equal. Students can conclude only one of these courses.

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0090: Seminar on Political Economy**	6 C 2 WLH

Learning outcome, core skills: Based on academic papers, understanding different issues of political economy by writing and presenting an essay on one of the provided topics. Students are also required to attend and participate in the presentations of the other class members. Students improve their ability to answer a research question based on several academic papers and to present the ideas in a clear and logically structured way. They get familiar with some important issues in political economy.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Seminar on Political Economy	2 WLH

Examination: Presentation (approx. 30 minutes) with written elobaration (max. 15 pages)	6 C

Examination requirements: Good understandig of the academic literature on the provided topic.	

Admission requirements: none	**Recommended previous knowledge:** Basic knowledge in microeconomics
Language: English	**Person responsible for module:** Refik Emre Aytimur
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 2
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0092: International Trade**	6 C 4 WLH

Learning outcome, core skills: This course introduces the students to the core theoretical concepts explaining international trade patterns and various sources of trade flows like different technologies and factor endowments. Furthermore, the students learn about the gains and losses from international trade and the effect on factor prices and wages. In addition to the traditional explanations for trade patterns, recent approaches are introduced which are able to explain patterns that are observed today. Moreover, we discuss whether the predictions implied by theoretical models can be confirmed empirically.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses:	
1. International Trade (Lecture)	2 WLH
2. International Trade (Tutorial)	2 WLH

Examination: Written examination (90 minutes) **Examination prerequisites:** Presentation of a group work (approx. 20 min)	6 C

Examination requirements: Demonstrate a profound knowledge of the core theoretical concepts in International Trade. Students should be able to assess the theoretical models with respect to empirical applications.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Tino Berger
Course frequency: every semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 2
Maximum number of students: not limited	

Additional notes and regulations: The courses "M.WIWI-VWL.0003: Reale Außenwirtschaft" and "M.WIWI-VWL.0092: International Trade" are equal. Students can conclude only one of these courses.

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0094: Geographical Economics**	6 C 2 WLH

Learning outcome, core skills: The students are able to • understand the meaning of geographical aspects in economic theory • understand and determine structural characteristics, decisions of supply and demand, as well as adjustment dynamics to the long-run equilibrium within the core-periphery model and in various other models of economic geography • interpret tendencies of agglomeration, concentration and specialization in the European Union and in an international context • describe and explain agglomeration tendencies that occur due to the activity of multinational enterprises and foreign direct investments • explain world trade and economic growth with the models of economic geography and can differentiate the results from other models	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Geographical Economics (Lecture) *Contents*: • Geographical aspects in economic theory • The core-periphery model from Krugman and further models of economic geography • Agglomeration tendencies in the European Union and in an international context • Multinational enterprises, foreign direct investments and agglomeration • Agglomeration, the structure of world trade and economic growth	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: Proof of knowledge of the theoretical foundations and applications of Geographical Economics and the achievement of the aims of the course.	

Admission requirements: none	**Recommended previous knowledge:** good BA-level knowledge in Mathematics, Microeconomics and Macroeconomics is strongly recommended and basic knowledge in Econometrics
Language: English	**Person responsible for module:** Dr. Astrid Krenz
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0095: International Political Economy**	6 C 3 WLH

Learning outcome, core skills: Understanding of mechanisms of direct and representative democracy, voting in international organizations, lobbying, collective action, economics of alliances, trade wars, trade negotiations, GATT and WTO, custom unions, free trade areas and the EU, protection for sale, globalization.	**Workload:** Attendance time: 42 h Self-study time: 138 h

Courses: **1. International Political Economy (Lecture)**	2 WLH
Contents: Direct and representative democracy, voting in international organizations, lobbying, collective action, economics of alliances, trade wars, trade negotiations, GATT and WTO, custom unions, free trade areas and the EU, protection for sale, globalization.	
2. International Political Economy (Tutorial)	1 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: Students have achieved a solid understanding of the mechanisms of direct and representative democracy, voting in international organizations, lobbying, collective action, economics of alliances, trade wars, trade negotiations, GATT and WTO, custom unions, free trade areas and the EU, protection for sale, globalization.	

Admission requirements: none	**Recommended previous knowledge:** Modul "International Trade"
Language: English	**Person responsible for module:** Prof. Dr. Holger Strulik
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0096: Essentials of Global Health**	6 C 2 WLH

Learning outcome, core skills: Comprehensive understanding of global health.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Essentials of Global Health (Lecture with Tutorial) *Contents*: The course will introduce students to the main concepts of the public health field and the critical links between global health and economic development. Students will get an overview of the determinants of health and how health status is measured. Students will also review the burden of disease, risk factors, and key measures to address the burden of disease in cost-effective ways. The course will be global in coverage but with a focus on low- and middle-income countries and on the health of the poor.	2 WLH

Examination: Presentation (approx. 20 minutes) with written elaboration (max. 10 pages) **Examination requirements:** Comprehensive understanding of global health.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Sebastian Vollmer
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 2

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0099: Poverty & Inequality**	6 C 4 WLH

Learning outcome, core skills: This course provides an in-depth analysis of inequality, poverty and related economic issues at the graduate level. The course covers theories of justice, methodological aspects of poverty & inequality measurement, global aspects of poverty & inequality, effects of inequality on socio-economic outcomes, gender inequalities, inequality and poverty in rich countries as well as development policy targeting poverty. Some familiarity with development issues and empirical methods is highly desirable but not required. The course is open to M.A. students in development economics and international economics as well as graduate students from related fields.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Poverty & Inequality (Lecture)**	2 WLH
2. Poverty & Inequality (Tutorial)	2 WLH

Examination: Practical examination with written elaboration (max. 5 pages) **Examination requirements:** Demonstrating skills related to the measurement of poverty and inequality. Demonstrating an understanding of the drivers and consequences of poverty and inequality and their interlinkages based on the most recent scientific literature.	2 C

Examination: Written examination (90 minutes) **Examination requirements:** Application of theoretical concepts to measure poverty and inequality using real data from a developing countries and statistical software like Stata.	4 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Sebastian Vollmer
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: 40	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0100: Economics of Health Care Policy**	6 C 2 WLH

Learning outcome, core skills: • Students learn how to formulate research questions • Students have a close look at theoretical studies/arguments in related field	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Economics of Health Care Policy (Seminar) *Contents*: This seminar covers selected topics on the economics of health care policy. The seminar is structured in three parts. The first part introduces fundamental concepts of social justice, health equity and international health comparisons. The second part covers current issues of health care, health insurance and consumer behavior in high-income countries. The third part discusses challenges of health systems, the role of health workers, health care financing and challenges from major diseases in low-income countries.	2 WLH

Examination: Presentation (approx. 30 minutes) with written elaboration (max. 10 pages text) **Examination requirements:**	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Sebastian Vollmer
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0105: Controversies in Development Economics**	6 C 2 WLH

Learning outcome, core skills: The seminar addresses controversial issues in development economics. Such issues may be more topical (for example: Investments in agriculture and land: Land grab or development opportunity?) or more analytical (for example: The role of the state in economic development: Market-led development or interventionist models?). Based on the seminar papers, which will take a balanced stance toward a specific controversy, students will prepare a presentation that assumes a one-sided position during the seminar. Moderated discussions between two positions will be preceded and followed by a vote of the entire group to assess how convincing the respective presenter has made his or her argument. The seminar topics are subject to change every term.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Controversies in Development Economics	2 WLH

Examination: Presentation (approx. 30 minutes) with written elaboration (max. 10 pages)	6 C

Examination requirements: Students will have to write a seminar paper, prepare a presentation, participate in the discussions and briefly discuss a paper of another student.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Jun.-Prof. Dr. Jann Lay
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0108: Advanced Macroeconomics**	6 C 4 WLH

Learning outcome, core skills: Understanding of the following topics: 1. Economic growth processes, in particular the role of investment, R&D and human capital 2. Real-business-cycle theory and policy, monetary policy 3. Fiscal Policy, in particular governmental taxes and budget deficits 4. Consumption and investment decisions	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses:	
1. Advanced Macroeconomics (Lecture)	2 WLH
2. Advanced Macroeconomics (Exercises)	2 WLH

Examination: Written examination (90 minutes) **Examination requirements:** Proving the ability to apply the mathematical tools and economic models discussed in the course to analyze: • the impact of investment, R&D subsidies and human capital accumulation on economic growth. • the causes of real-business-cycles and potential policies to influence them • the effects of monetary and fiscal policy • the determinants of individual consumption and investment decisions	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Holger Strulik
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0109: Recent Topics in Fiscal Policy**	6 C 2 WLH

Learning outcome, core skills: The students should learn to understand research papers related to recent topics in macroeconomic fiscal policy. They should be able to summarize, present and discuss these papers and relate them to the literature.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Recent Topics in Fiscal Policy (Seminar) *Contents*: In the seminar, recent research topics related to fiscal policy are discussed. The focus is on the macroeconomic impact of fiscal policy.	2 WLH

Examination: Presentation (approx. 30 minutes) with written elaboration (max. 15 pages) **Examination prerequisites:** regular participation **Examination requirements:** Preparation of a seminar thesis related to one assigned topic, presentation of the topic, and discussion of another presenter's topic.	6 C

Admission requirements: none	**Recommended previous knowledge:** Macroeconomics, Mathematics, and Econometrics as taught in the typical BA-courses. One master course covering a Macroeconomic topic is recommended.
Language: English	**Person responsible for module:** Dr. Timo Trimborn
Course frequency: every second semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: 15	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0110: Seminar in Regional and Urban Economics**	6 C 2 WLH

Learning outcome, core skills: The seminar covers theoretical models and empirical studies in the areas of Regional and Urban Economics and a field that has become known as the New Economic Geography. Students will gain a good understanding of current research topics in these areas and will moreover • gain the ability to read and understand literature related to current advances in Regional and Urban Economics and the New Economic Geography • learn how to develop coherent research questions • analyze their research question applying theoretical or empirical methodologies • practice their academic writing • improve their presentation and English skills.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: **Seminar in Regional and Urban Economics** (Seminar)	2 WLH

Examination: **Presentation (approx. 20 min) with written elaboration (max. 15 pages)**	

Examination requirements: The credits are given for the presentation and for the written paper on the same subject. In the presentation, the students demonstrate their ability to present complex theoretical models and empirical studies. In the paper, students demonstrate their ability to synthesize important findings from both theoretical models and empirical studies, to develop a sound research question based on the literature and to write a scientific paper.	

Admission requirements: none	Recommended previous knowledge: Modul "Geographical Economics"
Language: English	**Person responsible for module:** Dr. Astrid Krenz
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 14	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0112: Financial Markets and the Macroeconomy**	6 C 2 WLH

Learning outcome, core skills: Students acquire knowledge about the role of international financial markets for the macroeconomy. Further, students apply their statistical and econometric knowledge to relevant economic questions.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Financial Markets and the Macroeconomy (Seminar) *Contents*: The seminar focuses on the interdependences between financial markets and the macroeconomy. Motivated by the Great Recession, we discuss various channels through which financial markets may have an effect on real macroeconomic variables. Further, the international dimension of financial markets is highlighted, by discussing international transmission channels of financial shocks.	2 WLH

Examination: Presentation (approx. 20 minutes) with written elaboration (max. 15 pages)	6 C

Examination requirements: Scientific paper and solid presentation skills	

Admission requirements: none	**Recommended previous knowledge:** Basic econometrics and knowledge of open economy macroeconomics
Language: English	**Person responsible for module:** Prof. Dr. Tino Berger
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0113: Financial Econometrics**	6 C 4 WLH

Learning outcome, core skills: Students acquire and apply important econometric techniques in the area of international finance, macroeconomics, and financial. The focus will be on relevant applications rather than on statistical theory. Special emphasis will be placed on the development of programming skills in MATLAB. Students learn (i) how to work with real world data, (ii) how to set-up an econometric model in order to answer specific research questions, and (iii) how to present the results.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Financial Econometrics (Lecture)** *Contents*: a) Univariate time series modeling: ARMA models, Box-Jenkins approach, forecasting b) Multivariate models: simultaneous equations, Vector ARMA models c) Non-stationary time-series: unit roots, cointegration d) Modeling volatility: ARCH and GARCH models	2 WLH
2. Financial Econometrics (Programming class) *Contents*: a) Introduction to MATLAB b) Working on programming exercises c) Working on empirical project	2 WLH

Examination: Written examination (60 minutes) **Examination prerequisites:** Practical examination and presentation (approx. 45 minutes)	6 C

Examination requirements: Students will work on an empirical project, writing their own MATLAB code to analyze real world data. Depending on the number of participants, students will work in groups. The results of the group work will be presented in front of the class. The exam covers contents of the lecture and the programming class.	

Admission requirements: none	**Recommended previous knowledge:** Econometrics I
Language: English	**Person responsible for module:** Prof. Dr. Tino Berger
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0114: Finance and Development**	6 C 4 WLH

Learning outcome, core skills: Upon completion of this course, students should have developed the capacity to comprehend and critically assess current theoretical and empirical research in the discussed fields.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Finance and Development (Lecture)** *Contents*: The course focuses on the role of finance and financial markets for economic development in developing countries. The course consists of two parts. The aim of the *first part* of the course is to introduce students to basic concepts of financial markets, the role of financial institutions and financial decisions of households in developing countries. The *second part* focuses on analyzing specific aspects of household finance. It deals for instance, with risk and uncertainty, financial decisions of households, private savings, investments and insurances.	2 WLH
2. Finance and Development (Tutorial)	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: Good understanding of the discussed topics and the recommended literature.	

Admission requirements: none	**Recommended previous knowledge:** A profound knowledge of microeconomics and statistics.
Language: English	**Person responsible for module:** Dr. Ute Filipiak
Course frequency: unregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0115: Topics in Public Economics**	6 C 2 WLH

Learning outcome, core skills: Students get familiar with current research areas and improve their knowledge on research methods. Further, they learn how to write a seminar paper and to present a topic in a clear and logically structured way.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Topics in Public Economics (Seminar) *Contents*: The students study topics in the field of public economics (e.g., taxation, public goods, economics of education, incentives of politicians, redistribution, media, and charitable giving).	2 WLH

Examination: Presentation (approx. 30 minutes) with written elaboration (max. 15 pages)	6 C

Examination requirements: Students are supposed to show good understanding of their topic and to present their work in a clear and concise way both in written and verbal form.	

Admission requirements: none	**Recommended previous knowledge:** Basic knowledge in microeconomics, econometrics, and public economics
Language: English	**Person responsible for module:** Refik Emre Aytimur Dr. Christian Bruns
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0116: Special Interest Politics**	6 C 2 WLH

Learning outcome, core skills: The course provides insights towards understanding interest-group politics from an incentive perspective, and the actual role played by SIGs in real political systems.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Special Interest Politics (Lecture) *Contents*: This course focuses on the mechanisms by which groups of pressure (e.g. lobbies) influence policy outcomes in modern democracies and/or in developing countries. Special interest groups (SIGs) are ubiquitous in U.S. politics and in the political systems of most countries. We will ask, and provide answers to, the following questions: What qualifies a voluntary association as a SIG? How do SIGs derive and consolidate their power and influence? Which channels (feasible strategies) do they exploit to bias policy outcomes to their favour? What happens when groups with differing objectives compete for influence? The course introduces and analyzes several theoretical tools (e.g. campaign giving, influence buying, informational lobbying), progressing from standard constructions to more complex frameworks.	2 WLH

Examination: Written examination (90 minutes)	6 C

Examination requirements: Good understanding of the techniques, methodologies and frameworks developed in the module, and ability to apply them to analyze economic questions related to the role of pressure groups and lobbies in the political arena.	

Admission requirements: none	**Recommended previous knowledge:** Microeconomic theory, Basic Game theory
Language: English	**Person responsible for module:** Jun.-Prof. Dr. Marco Maria Sorge
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0117: Growth, Resources, and the Environment**	6 C 4 WLH

Learning outcome, core skills: Students should learn how non-renewable resources, which are necessary in production, affect growth. Furthermore, they should learn how resource use affects the environment and which policy measures are suitable to mitigate environmental degradation. Finally, they should be able to investigate the interplay of renewable resources and growth.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Growth, Resources, and the Environment (Lecture)**	2 WLH
2. Growth, Resources, and the Environment (Exercise)	2 WLH

Examination: Oral examination (approx. 20 minutes)	6 C

Examination requirements: Good understanding of the discussed topics and the recommended literature.	

Admission requirements: none	**Recommended previous knowledge:** Macroeconomics and Mathematics
Language: English	**Person responsible for module:** Dr. Timo Trimborn Dr. Katharina Werner
Course frequency: every year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0118: Seminar on the Global Business Cycle**	6 C 2 WLH

Learning outcome, core skills: The seminar focuses on current topics associated with business cycle synchronization across countries. We discuss the co-movements of macroeconomic aggregates and analyze role of the globalization and region-specific factors. Therefore, we examine the question whether globalization results in a convergence of macroeconomic aggregates over time or whether those are rather decoupling, as proposed in the recent literature. Furthermore, we consider potential driving forces of an international business cycle.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Seminar on the Global Business Cycle	2 WLH

Examination: Presentation (approx. 20 minutes) with written elaboration (max. 15 pages) **Examination prerequisites:** regular participation	6 C

Examination requirements: The students should be able to elaborate on a recent topic independently. This process involves literature research, scientific work and writing and the appropriate oral presentation of the written paper.	

Admission requirements: none	**Recommended previous knowledge:** Macroeconomics, Introductory Econometrics
Language: English	**Person responsible for module:** Prof. Dr. Tino Berger
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0119: Portfolios of the Poor**	6 C 2 WLH

Learning outcome, core skills: Upon completion of this course, students should have developed the capacity to comprehend and critically assess current theoretical and empirical research in the field of finance and development.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Portfolios of the Poor (Seminar) *Contents*: This seminar covers selected topics on household income, household financial spending and the economics of microfinance. The seminar is structured in two parts. The first part introduces fundamental concepts of money management, savings and portfolios of households in low-income countries. The second part covers current issues of micro finance and discusses challenges of financial risks, financial learning and the role of financial institutions. The course will discuss how individuals in developing countries manage their household finance and budgeting, while they live on very small incomes as well as it will look on how micro finance institutions provide financing for the poor.	2 WLH

Examination: Presentation (approx. 45 minutes) with written elaboration (max. 15 pages) **Examination prerequisites:** regular participation	6 C

Examination requirements: Good understanding of the theoretical concepts and empirical methods in the field of microfinance, and presentation of the academic literature.	

Admission requirements: none	**Recommended previous knowledge:** Modul "Development Economics I", Modul "Development Economics II", Modul "Econometrics I", Microeconomics
Language: English	**Person responsible for module:** Ute Filipiak
Course frequency: not specified	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0120: Dynamic Macroeconomics**	6 C 2 WLH

Learning outcome, core skills: Students are expected to become familiar with highly sophisticated methodologies/frameworks through the lens of which scholars and policy institutions look at aggregate macroeconomic phenomena, such as business cycle fluctuations and the welfare effects of (monetary and/or fiscal) policy changes.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Dynamic Macroeconomics (Lecture) *Contents*: This course's aim is to introduce students to the recent literature on business cycle theory and econometrics. The course focuses on basic techniques for constructing, solving and estimating (linearized) Dynamic Stochastic General Equilibrium (DSGE) models, like e.g. the Kalman filter and Bayesian estimation. Topics include, but are not limited to, the following: i) Solving Rational Expectations (RE) models (e.g. Perturbation methods); ii) Identification of linearized DSGE models; v) Kalman filtering theory and ML estimation of linearized DSGE models.	2 WLH

Examination: Written Examination (90 minutes)	6 C

Examination requirements: Good understanding of the techniques, methodologies and frameworks developed in the module.	

Admission requirements: none	**Recommended previous knowledge:** Mathematics and Statistics, Basic Macroeconomics
Language: English	**Person responsible for module:** Jun.-Prof. Dr. Marco Maria Sorge
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0121: Seminar in Indeterminacy and Sunspots in Macroeconomics**	6 C 2 WLH

Learning outcome, core skills: Students are expected to become familiar with highly sophisticated methodologies/frameworks through the lens of which scholars and policy institutions look at aggregate macroeconomic phenomena, such as business cycle fluctuations and the welfare effects of (monetary and/or fiscal) policy changes.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Seminar in Indeterminacy and Sunspots in Macroeconomics *Contents*: This seminar covers theoretical foundations and empirical counterparts (quantitative aspects) of two topics which are central to modern macroeconomic theory: multiple (locally nonunique) equilibria and sunspots in stochastic dynamic models, and equilibirum selection in the presence of indeterminacy. In particular we will focus on (i) recent literature which exploits indeterminate equilibrium models to understand macroeconomic data and explain propagation mechanisms of business cycles and the transmission of policy changes; and (ii) different strand of scholarly work which aims at providing insight into the (possibly endogenous) mechanisms of equilibrium selection when indeterminacy arises.	2 WLH

Examination: Presentation (approx. 20 minutes) with written elaboration (max. 10 pages)	6 C

Examination requirements: Good knowledge of the topics and methodologies discussed in the Seminar, and ability to develop a research proposal. Depending on the number of participants, students may work in groups. Research proposals will also be presented in front of the class.	

Admission requirements: none	**Recommended previous knowledge:** Basic Macroeconomic theory
Language: English	**Person responsible for module:** Jun.-Prof. Dr. Marco Maria Sorge
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0122: Seminar on Behavioral Development Economics**	6 C 2 WLH

Learning outcome, core skills: Students will: • Refresh concepts of micro-economic theory. • Undestand why the assumption of neoclassical micro economic models fail. • Learn alternative models that accommodate failures in rational decision making. • Understand the importance of using behavioral economic to study poverty and development.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Seminar on behavioral development economics *Contents*: This course discusses how the behavioral approach can help to understand poverty and development and how it can be used for policy design. We discuss the advantages, limitations and potential of field experimental methods.	2 WLH

Examination: Presentation (approx. 20 minutes) with written elaboration (max. 10 pages)	6 C

Examination requirements: In the presentation, the students demonstrate their ability to present complex theoretical models and empirical studies. In the paper, students demonstrate their ability to synthesize important findings from both theoretical models and empirical studies, to develop a sound research question based on the literature and to write a scientific paper.	

Admission requirements: none	**Recommended previous knowledge:** Micro-economics, Econometrics
Language: English	**Person responsible for module:** Prof. Marcela Ibanez Diaz
Course frequency: every winter term	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0123: Recent Topics in Macroeconomics**	6 C 2 WLH

Learning outcome, core skills: The students should familiarize with a recent macroeconomic topic and be able to summarize the academic discussion with respect to this topic. Furthermore, students should be able to critically discuss actual research with respect to this topic.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Recent Topics in Macroeconomics (Seminar) *Contents*: In the seminar a macroeconomic topic is investigated, which has attracted attention in academia recently and is subject to an ongoing academic debate.	

Examination: Presentation (approx. 30 minutes) with written elaboration (max. 15 pages)	6 C

Examination requirements: The students are required to summarize and explain one or two research papers, critically discuss the results, and relate the papers to research in that field.	

Admission requirements: none	**Recommended previous knowledge:** Mathematics, Macroeconomics
Language: English	**Person responsible for module:** Dr. Timo Trimborn
Course frequency: every summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: 15	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0124: Seminar in Financial Econometrics**	6 C 2 WLH

Learning outcome, core skills: Students acquire important econometric techniques including ARMA models, ARCH / GARCH models, simulation methods, and filtering methods. Further, students improve their skills in writing a seminar paper and presenting a topic in front of an audience.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Seminar in Financial Econometrics *Contents*: This seminar covers topics in time series analysis with an emphasis on applications in macroeconomics, international finance, and financial economics. The focus will be on both the statistical theory as well as relevant applications in macroeconomics and finance.	2 WLH

Examination: Presentation (approx. 20 minutes) with written elaboration (max. 15 pages) **Examination prerequisites:** regular participation.	6 C

Examination requirements: The students should be able to elaborate on a topic independently. This process involves literature research, scientific work and writing and the appropriate oral presentation of the written paper.	

Admission requirements: none	**Recommended previous knowledge:** Econometrics I
Language: English	**Person responsible for module:** Prof. Dr. Tino Berger
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0125: Global Health**	6 C 2 WLH

Learning outcome, core skills: At the end of the course, students will be able to 1. Analyze the relationships between global health, population dynamics and human and economic development, using key concepts in these fields of study 2. Critically evaluate academic articles and policy reports on population and global health issues 3. Synthesize and present texts on global health in verbal discussion, oral presentation, and written briefs 4. Produce research papers that present balanced, thoughtful, and well-evidenced arguments on topics in global health and population.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Global Health (lecture) *Contents*: Individual vs. Population Health; Global Burden of Disease; Evaluation of Global Health Interventions I; Evaluation of Global Health Interventions II; Wealth and Health of Nations; Social Determinants of Health; Health Systems and Financing; Global Health Governance and Management	2 WLH

Examination: Written examination (90 minutes) **Examination requirements:** Comprehensive understanding of global health.	4 C

Examination: Essay (max. 2 pages) **Examination requirements:** Comprehensive understanding of global health.	2 C

Admission requirements: none	**Recommended previous knowledge:** Understanding of basic concepts and strong interest in global health, sound methodological skills.
Language: English	**Person responsible for module:** Prof. Dr. Sebastian Vollmer
Course frequency: irregular (every 2-3 semester)	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 40	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0128: Deep Determinants of Growth and Development**	6 C 2 WLH

Learning outcome, core skills: Students should acquire a deeper understanding of the mechanisms that lead to long-run economic development. They should learn about the forces that are linked to economic development like demography, education, and fundamental determinants of economic growth like culture, institutions, geography.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Deep Determinants of Growth and Development (Lecture) *Contents*: In this course we will study long-run trends in economic development. We will analyze questions such as • Why are some countries richer than others? • Why is a country today richer than several generations ago? • How can historical events affect the economy today? • What are the mechanisms that lead to the transition from stagnation towards sustained growth? In particular, the students should learn about the forces that are linked to economic development like demography, education, and fundamental determinants of economic growth like culture, institutions, geography	2 WLH

Examination: Oral exam (approx. 20 minutes) or written exam (90 minutes)	6 C

Examination requirements: Good understanding of the discussed topics and the recommended literature.	

Admission requirements: none	**Recommended previous knowledge:** Macroeconomics, Mathematics for Economists, Economic Growth, Econometrics as taught in the Bachelor courses
Language: English	**Person responsible for module:** Dr. Katharina Werner
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0130: Seminar in Gender Differences in Labor Economics**	6 C 2 WLH

Learning outcome, core skills: Students will • gain the ability to read and understand literature on gender differences on labor markets • develop of research questions • analyze these questions by applying experimental and empirical methods • learn how to critically assess of other seminar papers • practice their academic writing • improve their presentation and English skills.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Seminar in Behavioral Finance (Seminar) *Contents*: The seminar covers experiments and empirical studies in the areas of Behavioral Economics, Organizational Economics, and gender differences on labor markets. Students will gain an understanding of current research. In this regard they are presented to state of the art research papers.	2 WLH

Examination: Presentation of another paper (approx. 5 minutes)	1 C

Examination: Presentation (approx. 20 minutes) with written elaboration (max. 15 pages)	5 C

Examination requirements: The credits are awarded for the seminar paper and the presentation which includes the discussion of the own seminar paper and a paper of another student. In the presentation, the students demonstrate their ability to present complex experiments and empirical studies. In the seminar paper, students demonstrate their ability to synthesize important findings from both empirics and experiments.	

Admission requirements: none	**Recommended previous knowledge:** Basic knowledge in Game Theory and Behavioral Economics
Language: English	**Person responsible for module:** Jun.-Prof. Dr. Holger A. Rau
Course frequency: every second semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0131: Business Cycles in Developing Countries**	6 C 2 WLH

Learning outcome, core skills: The seminar focuses on current topics associated with business cycles in developing countries. Business cycles in developing countries display different characteristics than those in their developed counterparts. We therefore discuss the transmission of shock in developing countries and whether stabilizing policies be different compared to developed countries. Moreover, we examine whether the extent to which business cycles in developing countries are explained by global, regional, country-specific, and idiosyncratic factors, is different compared to developed countries. The focus of this seminar will be on the empirical rather than the theoretical literature.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Business Cycles in Developing Countries (Seminar)	2 WLH

Examination: Presentation (approx. 20 min.) with written elaboration (max. 15 pages)	6 C

Examination requirements: The students should be able to elaborate on a recent topic independently. This process involves literature research, scientific work and writing and the appropriate oral presentation of the written paper.	

Admission requirements: none	**Recommended previous knowledge:** Macroeconomics, Introductory Econometrics
Language: English	**Person responsible for module:** Prof. Dr. Tino Berger
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0132: New Developments in International Economics**	6 C 2 WLH

Learning outcome, core skills: The students should familiarize with a recent topic in international economics and should be able to summarize the academic discussion with respect to this topic. Furthermore, students should be able to critically discuss actual research with respect to this topic.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: New Developments in International Economics (Seminar) *Contents*: In the seminar a topic in international economics is investigated, which has attracted attention in academia recently and is subject to an ongoing academic debate.	2 WLH

Examination: Presentation (approx. 30 minutes) with written elaboration (max. 15 pages) **Examination requirements:** The students are required to summarize and explain one or two research papers, critically discuss the results, and relate the papers to research in that field.	5 C

Examination: Presentation (approx. 5 minutes) **Examination requirements:** Discussion of topic presented by a fellow student.	1 C

Admission requirements: none	**Recommended previous knowledge:** Mathematics, Macroeconomics, Econometrics
Language: English	**Person responsible for module:** Prof. Dr. Holger Strulik
Course frequency: unregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: 15	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0134: Development Economics of Innovations**	6 C 2 WLH

Course: Development Economics of Innovations (Seminar) *Contents*: This seminar covers selected topics on economics of innovations in developing countries. The seminar is structured in two parts. The first part introduces fundamental concepts of conditions and constraints for technological adoption and innovation processes, in low-income countries. The second part covers current issues of innovation incentives of firms, the effects of innovations on market structure, and intellectual property rights. The course will discuss how households act as adopters of innovations and specific aspects of the innovation processes of firms. The seminar will discuss the aforementioned topics in different markets, e.g. in the agricultural sector but also in other markets. Some of the given topics have a focus on South Asia.	2 WLH

Examination: Presentation (ca. 45 minutes) with written elaboration (max. 15 pages)	6 C

Examination requirements: Good understanding of the theoretical concepts and empirical methods in the field of development economics of innovation and presentation of the academic literature.	

Admission requirements: none	**Recommended previous knowledge:** Modul "Development Economics I", Modul "Development Economics II", Modul "Econometrics I", Microeconomics
Language: English	**Person responsible for module:** Ute Filipiak
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0135: Advanced Economic Growth**	6 C 4 WLH

Learning outcome, core skills: Students should acquire a deeper understanding of the mechanisms that lead to long-run economic development. They should familiarize with the standard growth models and should learn about the driving forces of modern economic growth like capital accumulation, human capital and technology.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Advanced Economic Growth (lecture)** *Contents*: In this course we will study long-run trends in economic development. We will analyze questions such as • Why are some countries richer than others? • Why do some countries grow more rapidly than others? • What are the engines of economic growth? • What are the mechanisms that lead to sustained economic growth? In particular, the students should learn about the engines of modern economic growth, like capital accumulation, human capital and technology.	2 WLH
2. Advanced Economic Growth (tutorial)	2 WLH

Examination: Oral examination (20 minutes) or written examination (90 minutes)	6 C

Examination requirements: Good understanding of the discussed topics and the recommended literature.	

Admission requirements: none	**Recommended previous knowledge:** Macroeconomics, Mathematics for Economists, Economic Growth, Econometrics as taught in the Bachelor courses
Language: English	**Person responsible for module:** Dr. Katharina Werner
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0137: Seminar Games in Economic Development**	6 C 2 WLH

Learning outcome, core skills: This seminar course aims at examining development issues through the use of elementary game theory. Participants are expected to give a presentation on a pre-assigned reading. Based on this reading is expected that students critically asses the state of the art and suggest new research ideas.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Seminar Games in Economic Development (Seminar) *Contents*: • Development traps and coordination games • Rural poverty development and the environment • Risk, solidarity networks and reciprocity • Agrarian Institutions • Savings, Credit and Microfinance • Social Learning and Technology Adoption • Property right, governance and corruption • Conflict, violence and develpment • Social capital	2 WLH

Examination: Presentationen (ca. 40 minutes) with written elaboration (max. 5 pages)	6 C

Examination requirements: Present the selected reading and provide a critical assessment of the topic and suggestion of further avenues of research.	

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Marcela Ibanez Diaz
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 2
Maximum number of students: 18	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0138: Quasi-Experiments in Development Economics**	6 C 4 WLH

Learning outcome, core skills: Students will learn about and be able to apply the most important statistical techniques for causal inference in development contexts and beyond.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Quasi-Experiments in Development Economics (Lecture with tutorials) *Contents*: The course deals with common quasi-experimental approaches for measuring causal effects in developing economics. The content focuses on the distinction between correlation and causality and provides students with a statistical toolkit which will allow them to plan and conduct their own independent research. Special attention will be paid to the specific assumptions necessary for each technique to measure causal effect and common threats to identification (such as selection bias). Students will learn how to use quasi-experimental techniques in a very practical manner through the replication of existing work, writing referee reports and drafting their own research proposal using the attained skills.	4 WLH

Examination: Written examination (90 minutes)	

Examination: Practical examination	6 C

Examination requirements: • Comprehensive theoretical and practical understanding of causal identification and the major methods. • Practical implementation with Stata.	

Admission requirements: none	**Recommended previous knowledge:** Basic understanding of statistics and econometrics
Language: English	**Person responsible for module:** Prof. Dr. Sebastian Vollmer
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0139: Seminar on the Economics of the European Union**	6 C 2 WLH

Learning outcome, core skills: Students will • gain the ability to read and understand the literature in European Economics • get a good knowledge of basic theories and recent developments in the field • analyze a chosen topic applying theoretical or empirical methodology • practice their academic writing and oral presentation skills in English.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Seminar on the Economics of the European Union (Seminar) *Contents*: The seminar deals with theoretical and empirical studies in European Economics and covers aspects of European integration, the European Monetary Union, trade, competition and industrial policies, European structural and regional policies and labor market effects.	2 WLH

Examination: Presentation (approx. 20 min) with written elaboration (max. 15 pages)	6 C

Examination requirements: The credits are given for the presentation and for the written paper on the same subject. In the presentation, the students demonstrate their ability to present basic theories and empirical results in European Economics. In the paper, students demonstrate their understanding of the models and methods in European Economics and write a scientific paper on a given topic.	

Admission requirements: none	**Recommended previous knowledge:** International Trade
Language: English	**Person responsible for module:** Dr. Astrid Krenz
Course frequency: each second semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 14	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0140: Economics of Education**	6 C 4 WLH

Learning outcome, core skills: This course will help students build knowledge and understanding about the economics of education, especially on issues from the developing countries. It will familiarize them with the existing literature and prepare them for independent research in this area.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Economics of Education *Contents*: - Human capital and signaling models - Private and social returns to education - Education production function - Teachers: teacher labour market, teaching quality, etc. - Students: peer effects, tracking, etc. - Equity aspects: gender gap, affirmative action, etc. - School choice: private and public investments in education - Role of cognitive versus non-cognitive skills in labour market outcomes	4 WLH

Examination: Written examination (90 minutes)	3 C

Examination: Presentation (ca. 30 minutes) with written elaboration (max. 5 pages)	3 C

Examination requirements: Students demonstrate a good understanding of the theory and empirical models related to the economics of education. They are able to critically evaluate existing research to draw policy relevant conclusions and identify open areas for further research in this field.	

Admission requirements: none	**Recommended previous knowledge:** Basics of microeconomics and econometrics
Language: English	**Person responsible for module:** Dr. Sarah Khan, Dr. Soham Sahoo
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0141: The economics of information and Internet**	6 C 4 WLH

Learning outcome, core skills: The goal of this unit is to introduce a number of economic concepts and tools to understand and solve issues involved in producing and marketing information goods, in building networks of buyers and sellers online and in intermediating economic and intellectual exchanges. The students should come out of this unit with a better understanding of issues faced by economic actors online, with the ability to understand academic research on this topic and with the capacity to understand and develop business strategies adapted to this setting.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. The economics of information and Internet** (Lecture) *Contents*: This unit deals with the economics of the production and distribution of information goods on the Internet. It will analyze the production, pricing and distribution of products that are mainly informational in nature such as software and news. It will also present the structure and functioning of Internet-mediated markets as well as models of production that are specific to the Internet. Lecture Outline: 1. Information goods: pricing, bundling, versioning, sampling, reputation. 2. Models of consumer search for goods and information online. 3. Intermediation, network effects and platform competition. 4. Open source software and the collaborative production of information goods.	2 WLH
2. The economics of information and Internet (Exercise) *Contents*: Exercises will focus on analyzing specific aspects of the strategies of a range of Internet companies, as exposed in recent published academic articles.	2 WLH

Examination: Written examination (90 minutes) **Examination requirements:** The exam will consist of half simple exercises and half knowledge questions.	4 C

Examination: Essay (max. 15 pages) **Examination requirements:** The essay will consist of the analysis of the business model of a company involved in business online, its competitive environment and the specific economic problems it faces.	2 C

Admission requirements: none	**Recommended previous knowledge:** Microeconomics, game theory
Language:	**Person responsible for module:**

English	Dr. Alexia Gaudeul
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: 20	

English   Dr. Alexia Gaudeul

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0142: Seminar: Central banking in a global economy**	6 C 2 WLH

Learning outcome, core skills: The seminar deals with institutional and monetary policy designs of the major central banks worldwide. Specifically, the focus is on the functioning and effectiveness of monetary policy approaches of the US Federal Reserve, the ECB, the Bank of Japan, the Bank of England, and the Peoples Bank of China. In front of the crucial impact of central banks on the real economy, it is essential to understand their goals, the decision-making process and the channels of their influence.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Central banking in a global economy (Seminar)	2 WLH

Examination: Presentation (ca. 20 minutes) with written elaboration (max. 15 pages)	

Examination requirements: Independent research work on one seminar-related issue, resulting in an essay; presentation of the essay	

Admission requirements: none	**Recommended previous knowledge:** Advanced macroeconomics
Language: English	**Person responsible for module:** Agnieszka Gehringer
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0143: Mind, Society and Development**	6 C 2 WLH

Learning outcome, core skills: This seminar would allow students to build on knowledge gained in the course behavioral development economics. Students will learn how behavioral economic models can be used to understand development and design development policies. Students are expected to do a critical assessment of existing literature. Identify gaps in research and suggest future research questions.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Behavioral Economics (Seminar)	2 WLH

Examination: Presentation (ca. 30 minutes) with written elaboration (max. 10 pages) **Examination prerequisites:** Active in discussion	

Examination requirements: All students are required to write a 10 page term paper doing a critical assessment of recent developments on the topic. Participants are expected to explain findings of key papers on the topic, discuss the limitations of the papers and suggest future areas of research. It is expected that students attend presentations of the peers and participate actively in the discussion.	

Admission requirements: none	**Recommended previous knowledge:** Microeconomic; Statistics, Econometrics
Language: English	**Person responsible for module:** Prof. Marcela Ibanez Diaz
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0144: International economic policy: Replication course**	6 C 4 WLH

Learning outcome, core skills: The course addresses selected issues of international economic policy using methods of applied econometrics. By reading, discussing and re-estimating empirical papers on the topic, students should learn how to address politically relevant issues with the help of applied empirical analysis. They will train how to define a research question, how to deal with issues of causal identification and model selection, how to perform an empirical analysis and how to interpret the empirical results.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. International economic policy** (Lecture) *Contents*: The lecture discusses empirical papers on selected issues of international economic policy (including selected questions on trade, migration, and other alternating globally relevant issues).	2 WLH
2. International economic policy (Exercise) *Contents*: The exercise sessions focus on re-estimating selected empirical papers in a structured way, using statistical software.	2 WLH

Examination: Practical examination with written elaboration (max. 15 pages) **Examination prerequisites:** Up to ten short weekly hand-ins (code and/or explanations, max. half page each) will be due during the course. Admission to the exam will require a successful collection of at least 50% of all points achievable in the exercises.	

Examination requirements: The practical examination consists of performing and documenting an empirical analysis on a pre-defined topic related to the focus of the course. The written documentation should explain and discuss the empirical analysis.	

Admission requirements: none	**Recommended previous knowledge:** Econometrics 1 and 2 / Causal inference in economics
Language: English	**Person responsible for module:** Prof. Dr. Krisztina Kis-Katos
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 20	

Additional notes and regulations:

Participation is limited by the practical module examination.

Georg-August-Universität Göttingen **Module M.WIWI-VWL.0145: European Economics**	6 C 2 WLH

Learning outcome, core skills: The students - are able to understand and explain different economic theory and empirical models in European Economics - get a good knowledge of basic theories and recent developments in the field - are able to determine structural characteristics, decisions of supply and demand, as well as adjustment dynamics to the long-run equilibrium within various models in European Economics - learn about different policies in the European Union, i.e. European Monetary Policy, Regional Policy, Trade Policy, and Agricultural Policy - are able to interpret the linkages between the history and institutions of the European Union and its standing in international relations, in European enlargement strategies and in the migration debate	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: European Economics (Lecture) *Contents*: The Lecture covers several topics in European Economics. We will deal with the history and institutions of the European Union, growth aspects, European Monetary and Regional Policy, as well as Trade, Science and Technology, Competition and Agricultural Policy. Moreover, the European Labor Market and Environmental Issues will be investigated. Recent issues covering the European Union and its standing in International Relations, the challenges of European Enlargement, the demands during the Financial Crisis as well as recent developments due to the Migration towards the European Union will be examined.	2 WLH

Examination: Written examination (90 minutes)	

Examination requirements: Proof of knowledge of the theoretical foundations and applications of European Economics and the achievement of the aims of the course.	

Admission requirements: none	**Recommended previous knowledge:** Good BA-level knowledge in Mathematics, Microeconomics and Macroeconomics is strongly recommended and basic knowledge in Econometrics. Prior knowledge in International Trade is advised.
Language: English	**Person responsible for module:** Dr. Astrid Krenz
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**

twice	1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen **Module M.WIWI-WB.0001: Scientific Programming**	3 C 1 WLH

Learning outcome, core skills: The students • know the basic structure and operations of the programming environment MATLAB as well as the most important methods for programming with matrices. • learn the basic concepts and ways of thinking in scientific programming. • learn how to efficiently make use of advanced development tools such as the debugger and the profiler. • are able to visualize problems and create professional graphics. • are able to independently solve problems in MATLAB by their own programming – for example as part of a scientific paper.	**Workload:** Attendance time: 18 h Self-study time: 72 h

Course: Scientific Programming (Computer Exercise) *Contents*: The practical computer course provides a fundamental introduction to scientific programming with the statistical software "MathWorks MATLAB". Using the Basic programming language is a great way to teach the essential concepts of programming and numerical data processing, and it allows students to acquire skills required in quantitative sciences. Modern lecture slides available in German and English languages, which include practical exercises, are used. By using the course material, the participants will be motivated to focus on the concepts, and they will be able to track their own progress during the course. Topics 1. Graphical User Interface 2. Data and Operations 3. Functions 4. Programming Concepts 5. Development Tools 6. 2D- und 3D-Graphics 7. Advanced Solving Algorithms	1 WLH

Examination: Written examination (60 minutes) or oral examination (approx. 15 minutes) **Examination prerequisites:** Active participation	3 C

Examination requirements: Knowledge of the usage and functionality of MathWorks MATLAB. Application of MATLAB's built-in operations and functions. Knowledge of importing, processing and statistical analysis of data. Solving short – even graphical – programming tasks. Knowledge of programming concepts such as loops and branches. Knowledge of a "good programming style".	

Admission requirements:	**Recommended previous knowledge:**

none	Mathematics and statistics
Language: English	**Person responsible for module:** Prof. Dr. Helmut Herwartz
Course frequency: every semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 2
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module M.WIWI-WB.0005: Advanced Topics in Stata**	3 C 2 WLH

Learning outcome, core skills: At the end of the course students will • be experts at using basic data manipulation commands and creating well formatted output • be proficient with basic programming skills (using macros, looping and branching) • have a good understanding of the particularities of survey data and know how to analyze it • be able to debug any Stata code • know how to extend Stata by writing own subroutines, such as estimation or postestimation commands • be experienced with fundamentals of Mata programming	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Advanced Topics in Stata (Computer lab session) *Contents*: The course will first refresh participants' knowledge regarding the basic functions of Stata and then cover advanced topics, such as working with survey data, debugging, programming and Stata's matrix language Mata.	2 WLH

Examination: Practical examination	3 C

Examination requirements: The course will first refresh participants' knowledge regarding the basic functions of Stata and then cover advanced topics, such as working with survey data, debugging, programming and Stata's matrix language Mata.	

Admission requirements: none	**Recommended previous knowledge:** Introduction to Stata, basic understanding of econometrics
Language: English	**Person responsible for module:** Prof. Dr. Sebastian Vollmer
Course frequency: unregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-WB.0006: Introduction to Geographic Information Systems**	6 C 3 WLH

Learning outcome, core skills: Students know the fundamentals of Geoinformation Systems and can apply GIS tools and techniques for selected 'real-world' applications.	**Workload:** Attendance time: 42 h Self-study time: 138 h

Course: Introduction to Geographic Information Systems (Block course) *Contents*: • Structure of Geographic Information Systems • Data formats and data management • Acquisition of Spatial data • Thematic cartography and geographic visualisation • Data analysis – principles and applications • Introduction to terrain and image analysis • Presentation of applied GIS projects	3 WLH

Examination: Project with presentation (approx. 20 minutes)	6 C

Examination requirements: Students will have to complete and present a project.	

Admission requirements: none	**Recommended previous knowledge:** Good general computer knowledge
Language: English	**Person responsible for module:** Dr. Daniel Wyss
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-WB.0009: Introduction to Qualitative Health Rese-arch in Low-and-Middle-Income Countries**	3 C 2 WLH

Learning outcome, core skills: The goal of this course is to provide students with the knowledge and skills needed to conceptualize and conduct a rigorous qualitative research project focused on health in low and middle income countries. By the end of the course, students will be able to: • Describe the theoretical foundations of qualitative research • Describe the fundamentals of varying qualitative methods, including their strengths and limitations • Define and discuss the importance of qualitative research for the public health in low and middle income countries • Demonstrate familiarity with key approaches to analysing qualitative data • Appreciate how qualitative research can be used to facilitate social change • Write a clear and well-conceptualised qualitative research proposal	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Introduction to Qualitative Health Research in Low-and-Middle-Income Countries (Seminar) *Contents*: Qualitative research represents an important approach within public health and makes unique contributions to the understanding of health experiences and outcomes, as well as the impacts of public health programs and interventions. Highlighting qualitative methods in low-and-middle-income countries (LMIC), this course will provide students with a strong foundation regarding qualitative methods through a comprehensive overview of diverse types of qualitative research and key approaches to analyzing qualitative data. The theoretical and philosophical foundations underlying qualitative approaches will be covered, as will key methods including ethnography/participant-observation, qualitative interviews, focus group discussions, and survey research and questionnaire development. The course will highlight the potential of qualitative methods to contribute to interdisciplinary or mixed-methods research focused on health experiences and outcomes. Applied learning opportunities will be emphasised to help prepare students to conduct future qualitative health research. Two 2-hour sessions each week in a seminar and tutorial format. Required readings will be critically assessed through facilitated group discussions. Some of the group discussions will be student-led and each student will be responsible for being the primary discussant for at least 1 reading over the course of the semester. Tutorials will provide students with the opportunity for experiential hands-on learning, as we will be practicing the tools learned during the seminar.	2 WLH

Examination: Term paper (max. 15 pages)	

Examination requirements: Students will be required to write a research proposal for a qualitative or mixed-methods research study in a LMIC on the topic of their choice. The proposal should contain all	

of the elements required to describe a proposed qualitative study in detail including: introduction, background, research problem, research objectives or question, methods of data collection and analysis.

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Siobhan Doria
Course frequency: unregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 4
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module M.WIWI-WIN.0001: Modeling and System Development**	6 C 2 WLH

Learning outcome, core skills: Upon successful completion, students are able to • describe and explain the principles and elements of modeling techniques and design possibilities of systems • apply selected methods for modeling systems independently, • select an appropriate method for modeling a task and delineate versus the benefits of other methods, • outline the development of systems in the business environment and to evaluate and to transfer this to related situations, • analyze and reflect critically selected current trends in the field of system development in group work and • work in groups on tasks with the help of acquired communication and organizational skills.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Modeling and System Development (Lecture) *Contents*: • Basics • System survey • Process modeling • Object modeling • Design of systems • Implementation • Integration of systems • Quality management in system development • Configuration management • Cost estimate of system developments	2 WLH

Examination: Written examination (120 minutes) **Examination prerequisites:** successfully passed term paper and case study (max. 12 pages) **Examination requirements:** Students show in the exam that they • can explain, evaluate and apply theories and concepts for modeling processes, application systems and software, evaluate and apply, • can explain and assess what they learned in the lectures regarding aspects of system development , • can analyze complex problems in system development in a short time and can identify both challenges and solutions, • are able to transfer the approaches taught in the lectures to similar problems.	6 C

Admission requirements: none	**Recommended previous knowledge:** none

Language:	Person responsible for module:
English	Prof. Dr. Matthias Schumann
Course frequency:	**Duration:**
each winter semester	1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**
twice	1 - 3
Maximum number of students:	
not limited	

Georg-August-Universität Göttingen **Module M.WIWI-WIN.0004: Crucial Topics in Information Management**	12 C 2 WLH

Learning outcome, core skills: The students: - know the state of the art as well as future challenges regarding a current research theme in Information Management - have profound knowledge within the research field they worked upon - know and understand methods and approaches in order to elaborate on Information Management topics in a scientific manner - can elaborate research questions systematically by means of scientific methods	**Workload:** Attendance time: 28 h Self-study time: 332 h

Course: Crucial Topics in Information Management (Seminar)	2 WLH

Examination: Presentation (approx. 30 minutes) with written elaboration (max. 8000 words) **Examination prerequisites:** regular attendance; participation on possibly excursions.	12 C

Examination requirements: - Scientific and solution-oriented elaboration of current topics in Information Management - Writing a seminar paper - Oral presentation of the seminar paper's findings - Collaboration with other students in teams	

Admission requirements: none	Recommended previous knowledge: Modul "Informationsmanagement"
Language: English	**Person responsible for module:** Prof. Dr. Lutz M. Kolbe
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.WIWI-WIN.0008: Change & Run IT**	6 C 4 WLH

Learning outcome, core skills: The students - know the central differences between production and service provision as well as the possibility of bundling both areas to hybrid products, - know the fundamentals and key concepts of IT service management and information management, - know the contents of the ITIL framework and its core elements in detail: - service strategy - service design - service transition - service operation - continual service improvement - participate in the business simulation Fort Fantastic, and thereby learn about different aspects of application scenarios for the ITIL- and other management frameworks, - know the success factors of (IT-) project management, - have a fundamental knowledge of the two basic project management frameworks PRINCE2 und PMBoK, - know tools and methods of project management, e.g. critical path method and gantt chart, - are able to critically reflect on the concepts and methods of IT service management and project management, apply these to concrete problems and document them.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Courses: **1. Change and Run IT (Lecture)**	2 WLH
2. Change and Run IT (Tutorial)	2 WLH

Examination: Written examination (120 minutes) **Examination prerequisites:** Participation in the simulation game Fort Fantastic. The attendance of guest lectures which may be part of the module are obligatory and are considered as precondition to take the examination.	6 C

Examination requirements: In the module examination, the students demonstrate that they are able to reproduce fundamental knowledge and basic concepts of IT service management and project management. Besides, they are able to apply acquired knowledge within case studies in a solution-oriented manner. In particular, this includes transferring knowledge from the ITIL framework to different fields of application and the utilization of IT service management methods. In addition, the students are able to critically assess the proposed procedures and adapt these to specific problem areas.	

Admission requirements:	Recommended previous knowledge:
none	none
Language:	**Person responsible for module:**
English	Prof. Dr. Lutz M. Kolbe
Course frequency:	**Duration:**
every semester	1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**
twice	1 - 2
Maximum number of students:	
50	

Additional notes and regulations:

The module is offered in each semester. In the summer term, lecture and tutorial take place regularly, whereas in the winter term only the tutorial is offered and the lecture has to be prepared through self-study which is based on the recorded lecture of the respective previous summer semester.

Georg-August-Universität Göttingen **Module M.WIWI-WIN.0019: Business Intelligence and Decision Support Systems**	6 C 3 WLH

Learning outcome, core skills: • This course aims to enable students to understand the basic principles of business intelligence (BI) and decision support systems (DSS). • Provide a skillset suited for addressing unstructured decision situations that require advanced data processing and analysis. • Give an overview of methods and tools required in modern performance reporting. • Provide an introduction to data visualization and the application / value of these methods. • Provide an understanding of how to apply data and text mining methods.	**Workload:** Attendance time: 42 h Self-study time: 138 h

Courses: **1. Business Intelligence and Decision Support Systems (Lecture)** *Contents*: • Conceptual, methodological and technical foundations of BI and DSS. • Decision support processes and their phases. • System components needed for the collection, analysis and visualization of structured and unstructured, as well as semi-structured data. • Data and text mining methods such as decision trees, neural networks and support vector machines.	2 WLH
2. Business Intelligence and Decision Support Systems (Tutorial)	1 WLH

Examination: Written examination (90 minutes) **Examination requirements:** Students have to demonstrate profound knowledge of the theoretical and methodological foundations of the material. They have to show an understanding of relevant system components providing managerial decision support.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Jan Muntermann
Course frequency: every winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: not limited	